Heavy Duty Connectors
RockStar®

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Version 2025

Weidmüller

Heavy Duty Connectors – RockStar®
Catalogue 3

Heavy Duty Connectors – RockStar®	Overview	
	RockStar® inserts	
	RockStar® ModuPlug modular system	
	RockStar® Housings IP65 / NEMA Type 12, 4X	
	RockStar® Housings IP65 / EMC	
	RockStar® Housings IP66 / IP68 / EMC	
	RockStar® Wall mounting housing IP66	
	RockStar® HighPower	
	RockStar® Kits	
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RockStar® Kits Page I.2

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Service and support

Service connects – worldwide Page V.2

- Service connects – worldwide
- Engineering services and customised products
- easyConnect – Your Industrial Service Platform
- Support Center
- Additional support services
- Weidmüller Configurator

Digital ordering options Page V.12

Purchasing made easy:
- Weidmüller eShop
- OCI interface
- EDI interface

If you have any questions about our heavy-duty connectors, please contact us:
Support_HDC@weidmueller.com

Overview

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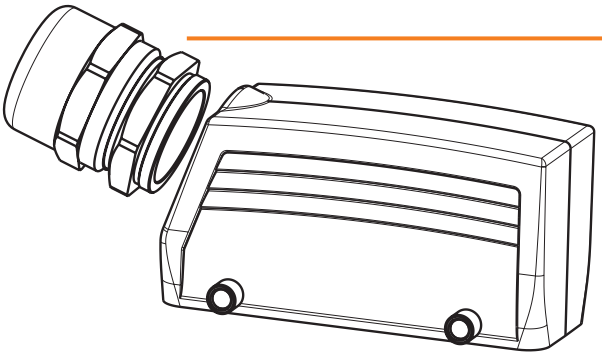
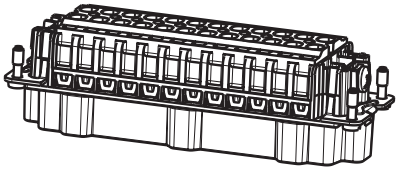
Construction of heavy-duty connectors – fixed pole

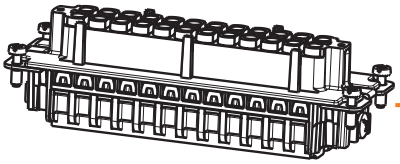


Cable gland

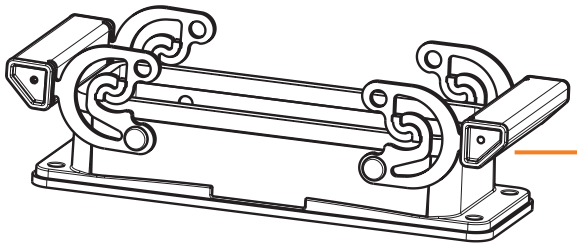
Hood



Male insert

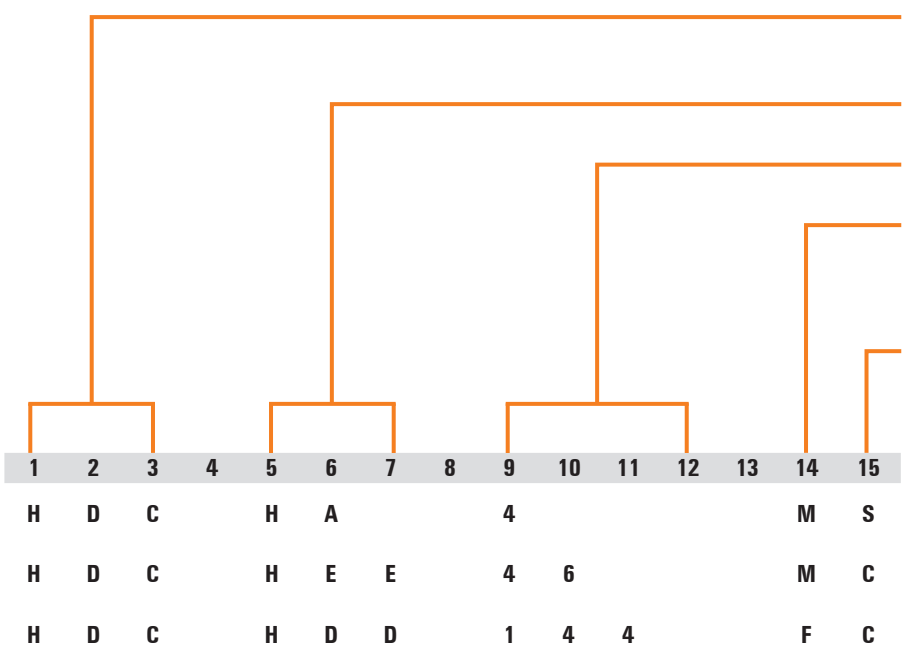


Female insert



Bulkhead housing

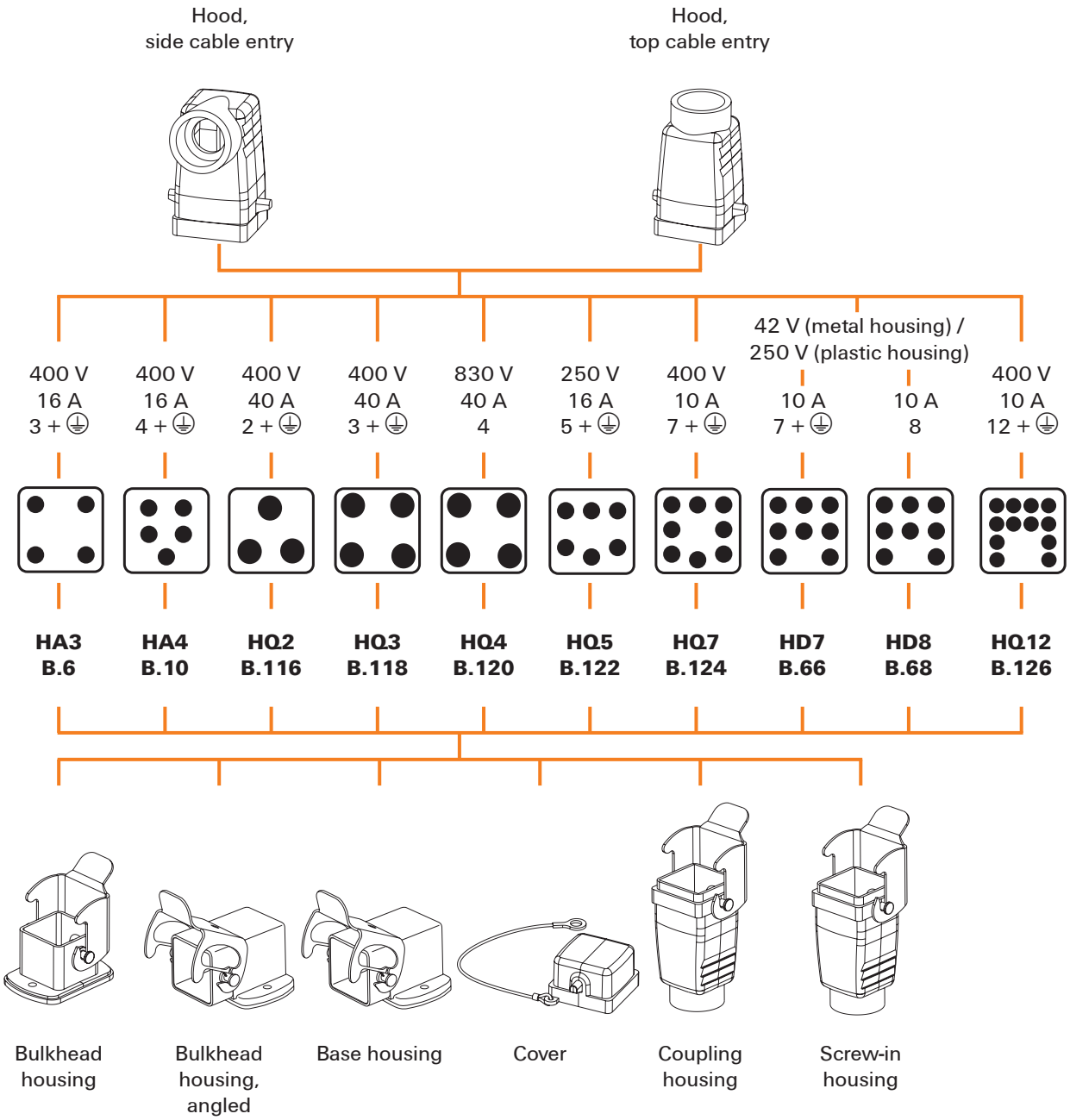
Part codes for inserts



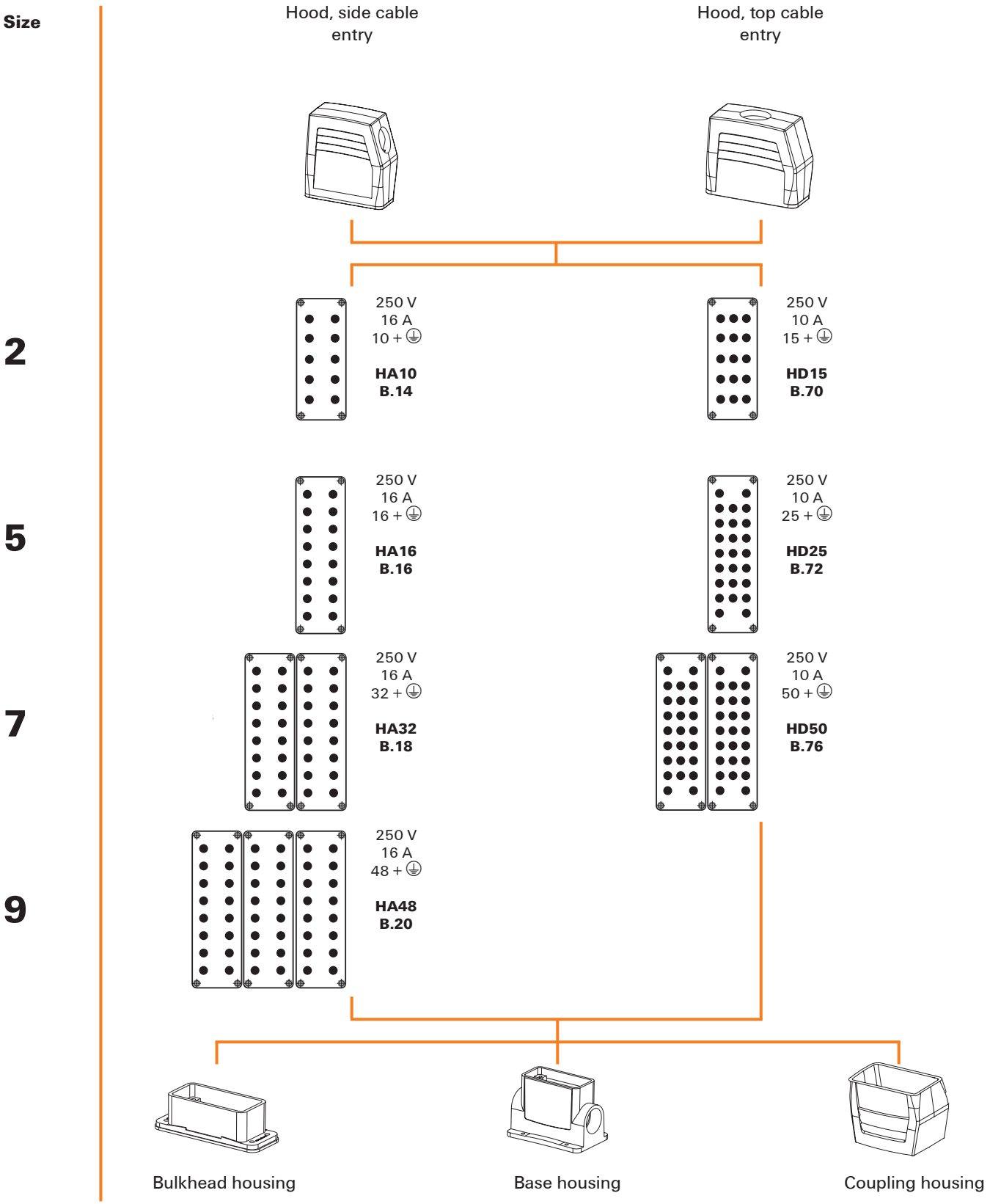
Overview of size 1 – fixed pole

Size

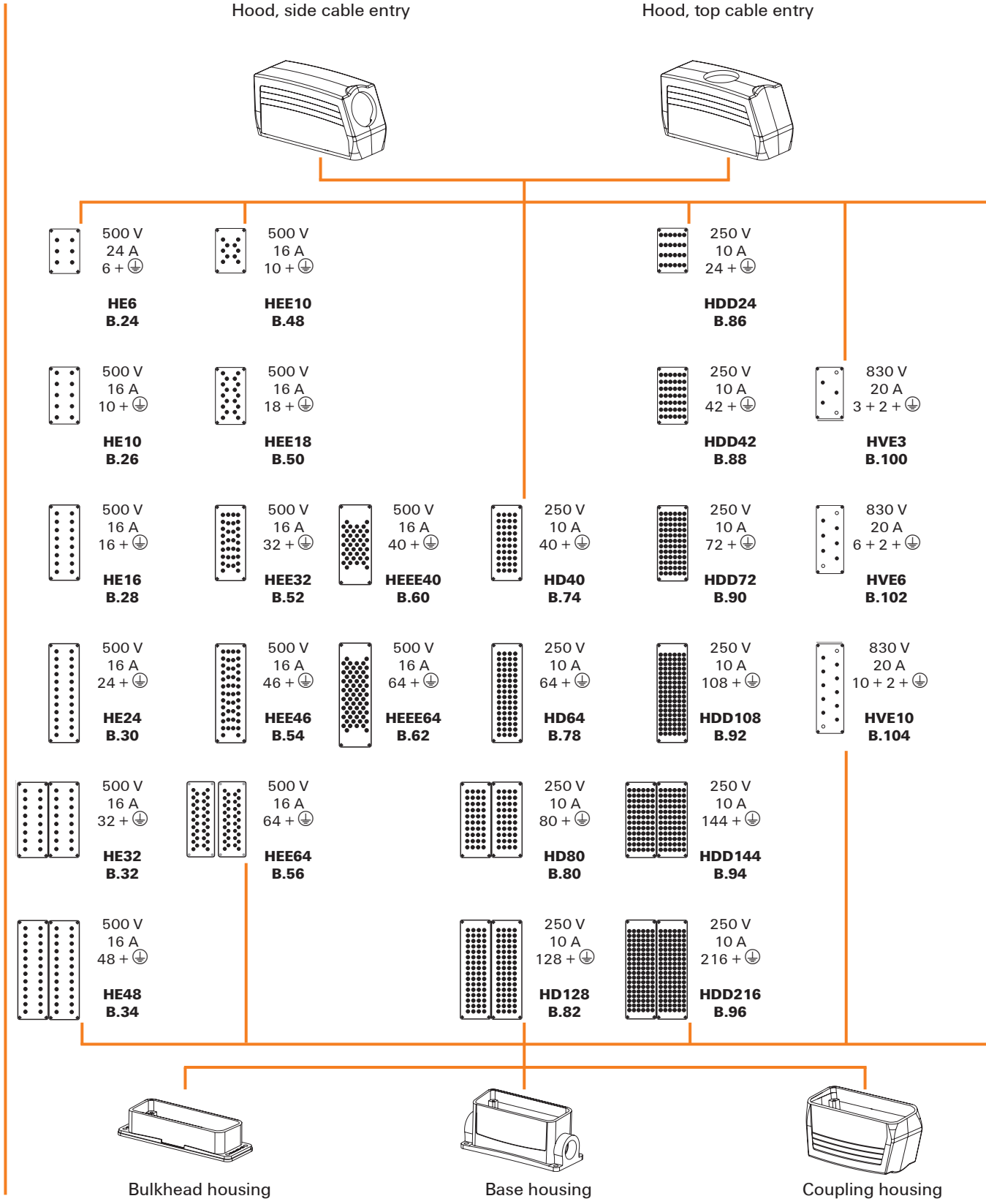
1

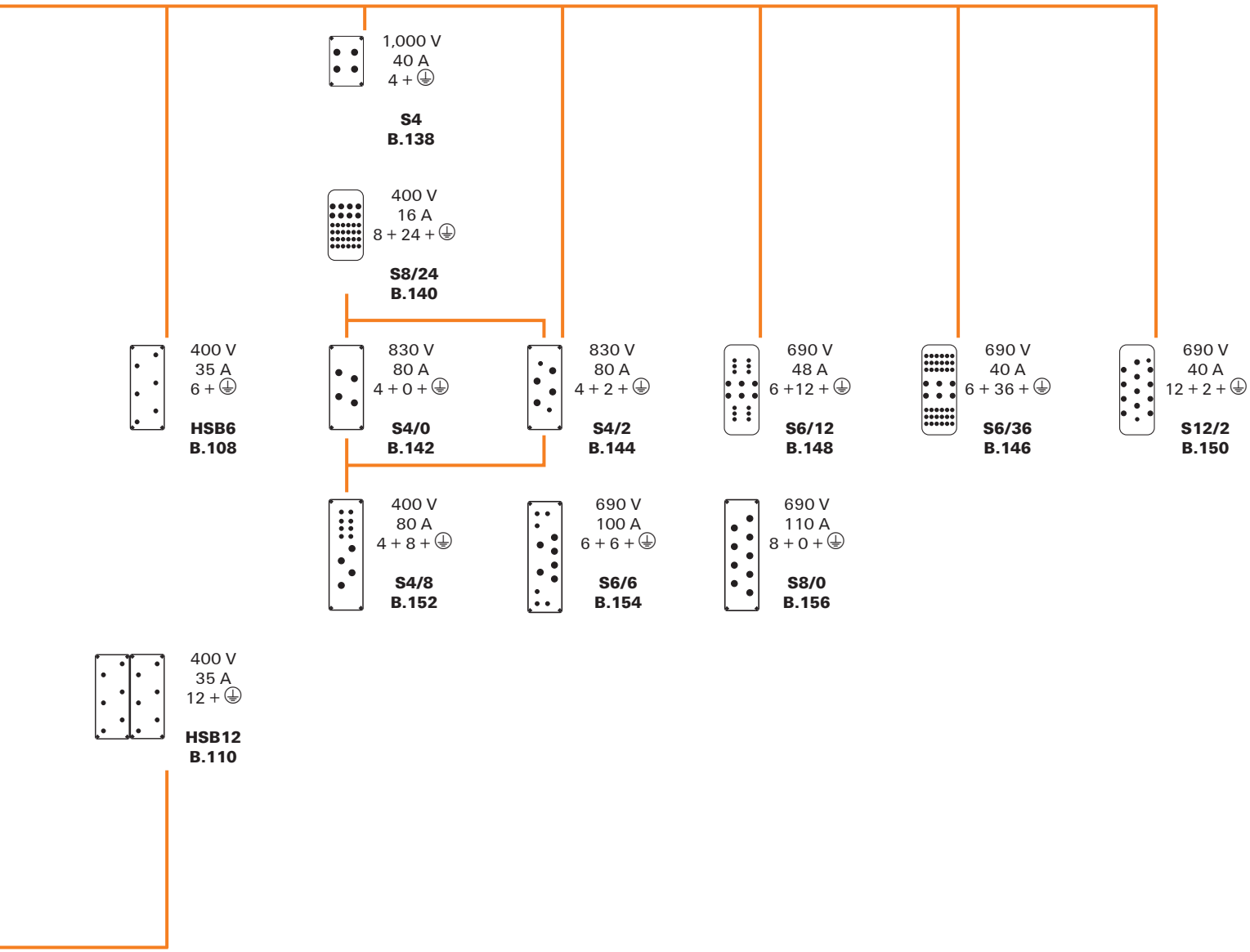


Overview of sizes 2, 5, 7, 9 – fixed pole



Overview of sizes 3, 4, 6, 8, 10, 12 – fixed pole

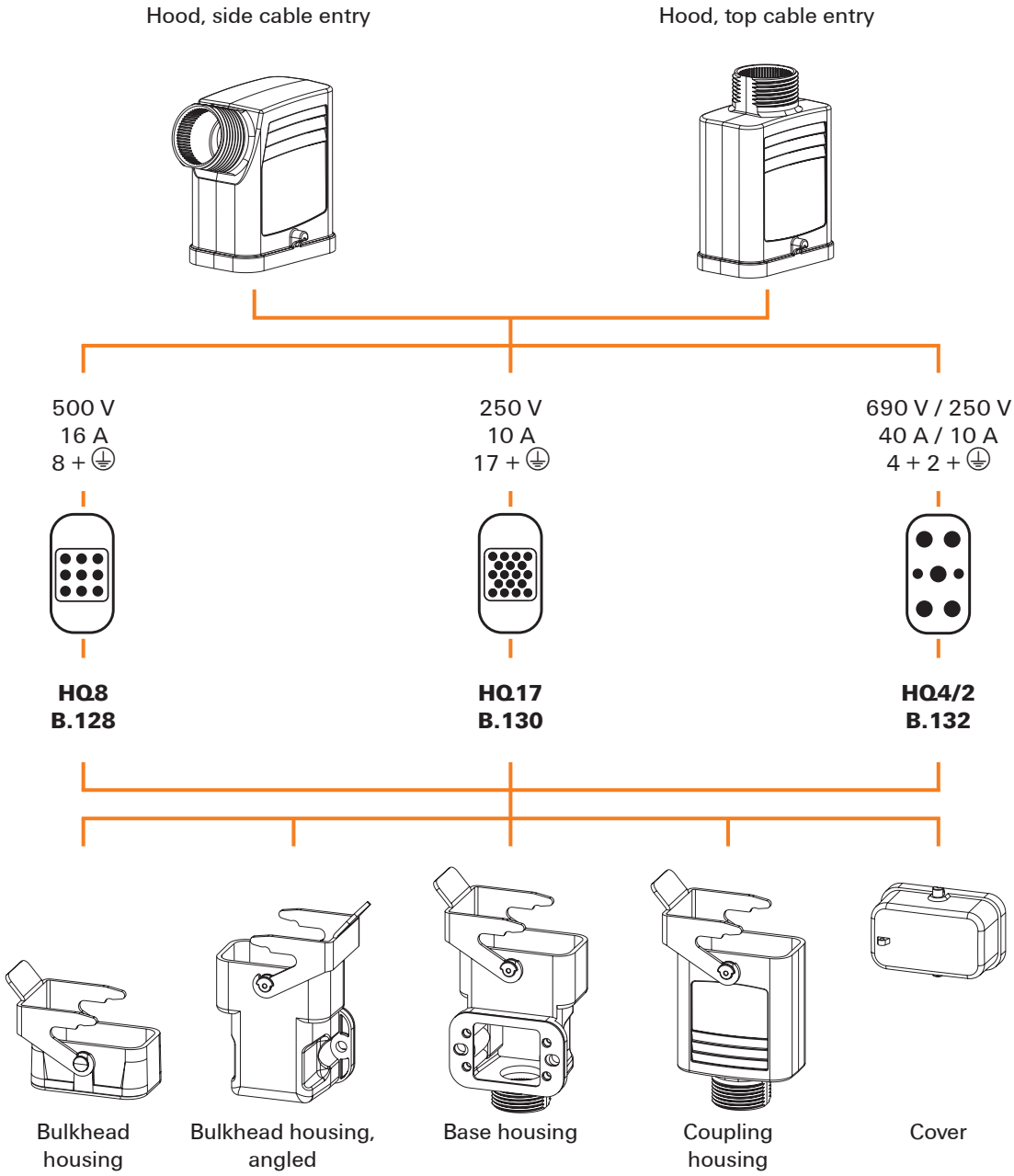



1,000 V
40 A
4 +
S4
B.138
400 V
16 A
8 + 24 +
S8/24
B.140
400 V
35 A
6 +
HSB6
B.108
830 V
80 A
4 + 0 +
S4/0
B.142
830 V
80 A
4 + 2 +
S4/2
B.144
690 V
48 A
6 +12 +
S6/12
B.148
690 V
40 A
6 + 36 +
S6/36
B.146
690 V
40 A
12 + 2 +
S12/2
B.150
400 V
80 A
4 + 8 +
S4/8
B.152
690 V
100 A
6 + 6 +
S6/6
B.154
690 V
110 A
8 + 0 +
S8/0
B.156
400 V
35 A
12 +
HSB12
B.110

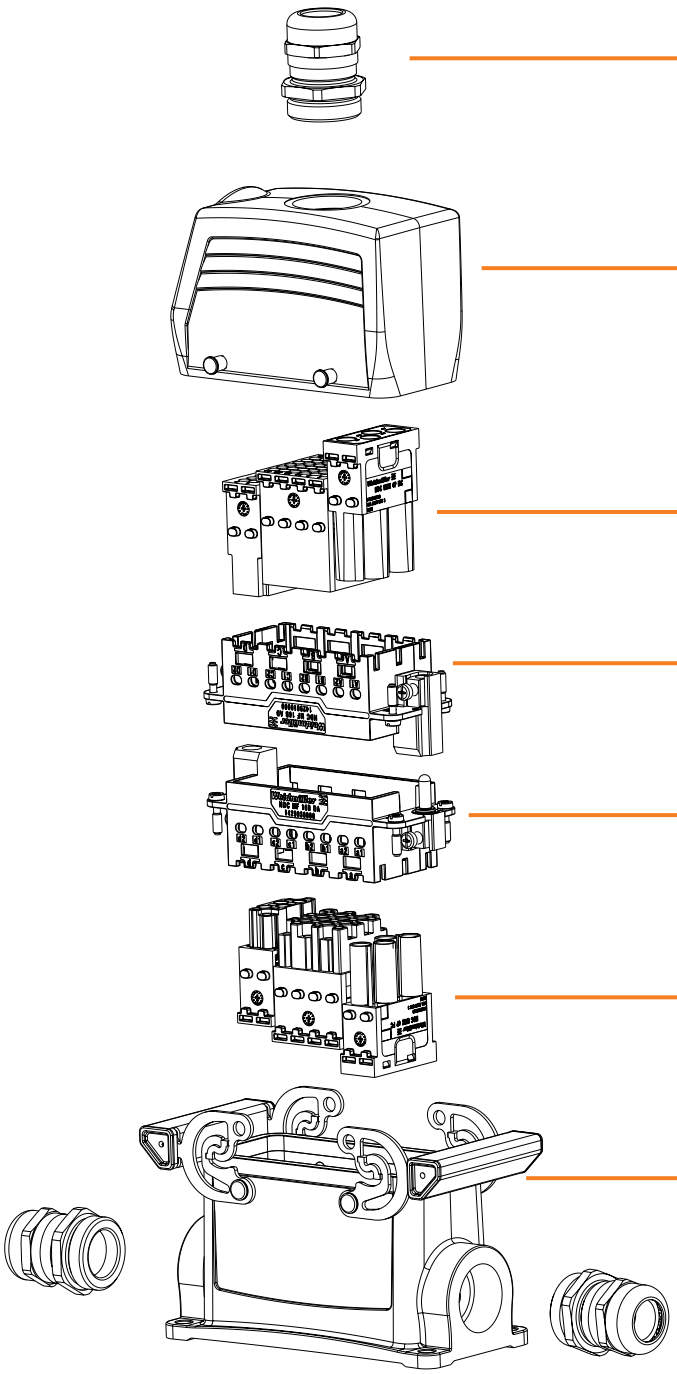
Overview of size HQ – fixed-pole

Size

HQ



Construction of heavy-duty connectors – modular

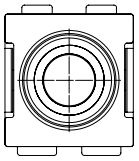


Overview of sizes 3, 4, 6, 8, 10, 12 – modular

200 A
1.000 V
25 – 70 mm²

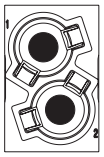
MHP 200
C.12

200 A
1.000 V
25 – 70 mm²



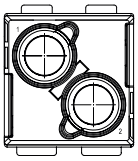
MHP 200
Axial screw
C.13

100 A
1.000 V
10 – 35 mm²



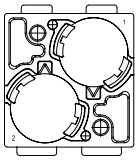
MHP 100
C.15

100 A
1.000 V
10 – 35 mm²



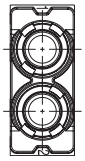
MHP 100
Axial screw
C.16

16 A
2.900 V
0.5 – 4 mm²



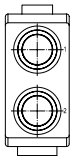
MHE 2 HV
C.17

70 A
1.000 V
6 – 25 mm²



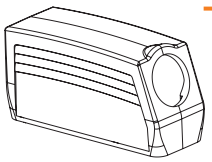
MHP 70
C.18

70 A
1.000 V
4 – 25 mm²

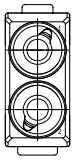


MHP 70
Axial screw
C.19

Hood,
side cable entry

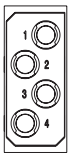


40 A
690 V
2.5 – 10 mm²



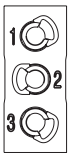
MHX 2
C.20

40 A
830 V
1.5 – 6 mm²



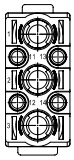
MHX 4P
C.22 + C.23

40 A
690 V
1.5 – 10 mm²



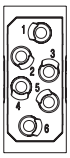
MHX 3
C.24 + C.25

40 A
500 V
0.14 – 6 mm²



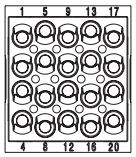
MHX 3/4
C.26

16 A
830 V
0.5 – 4 mm²



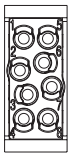
MHE 6P
C.27

16 A
500 V
0.5 – 4 mm²



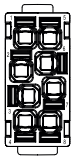
MHE 20
C.28

16 A
400 V
0.5 – 4 mm²



MHE 8
C.29

16 A
400 V
0.5 – 2.5 mm²

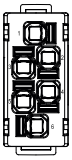


MHE 8
C.30

16 A
500 V
0.5 – 4 mm²

MHE 6
C.31

16 A
500 V
0.5 – 2.5 mm²

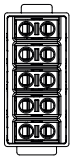


MHE 6
C.32

16 A
400 V
0.5 – 2.5 mm²

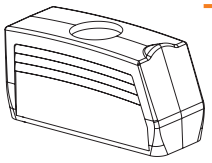
MHE 5
C.33

16 A
230 V
0.25 – 1.5 mm²



MHE 5L
C.34

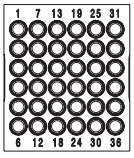
Hood,
top cable entry



16 A
400 V
0.5 – 2.5 mm²

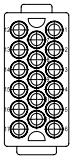
MHE 4(X)
C.35 + C.36

10 A
250 V
0.14 – 2.5 mm²



MHD 36
C.39

10 A
160 V
0.14 – 2.5 mm²



MHD 17
C.40

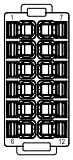
10 A
48 V
0.14 – 1.5 mm²

MMBIT 8
C.54

10 A
250 V
0.14 – 2.5 mm²

MHD 12
C.41

10 A
250 V
0.14 – 1.5 mm²

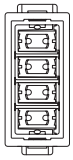


MHD 12 PUSH IN
C.42

4 A
30 V
0.08 – 0.5 mm²

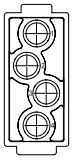
MHS 25
C.43

5 A
50 V
0.08 – 0.5 mm²



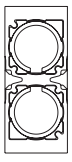
MGBIT 8
C.44

1.5 A
48 V
0.14 – 2.5 mm²



MCOAX 4
C.48

Bus
module

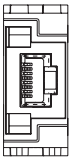


MBUS 2
C.49

Dummy
module

MDU
C.50

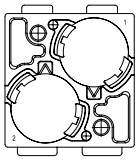
RJ45
modules



MRJ45
C.67

Pneumatic
modules

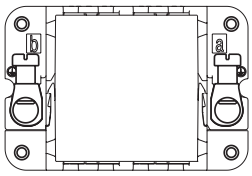
MPN
C.69



MEMC 2
C.47

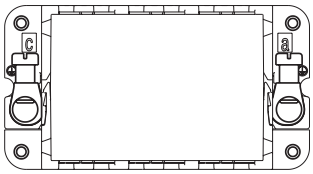
Size

3



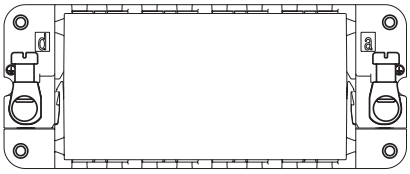
MF 6B
for 2 modules
C.8

4



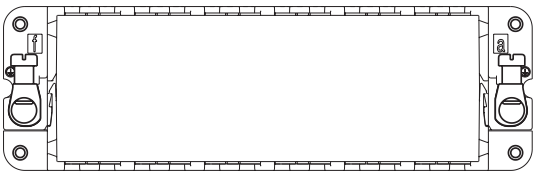
MF 10B
for 3 modules
C.9

6



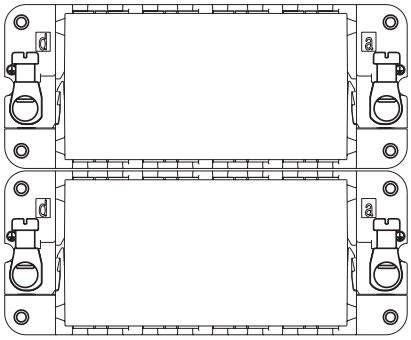
MF 16B
for 4 modules
C.10

8



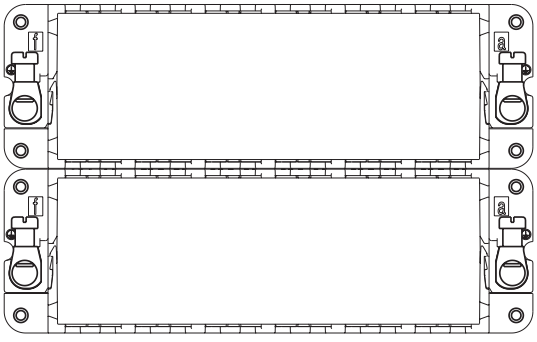
MF 24B
for 6 modules
C.11

10

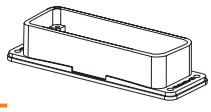


2 x MF 16B
for 8 modules
C.10

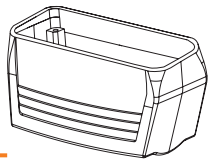
12



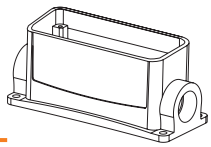
2 x MF 24B
for 12 modules
C.11



Bulkhead housing



Coupling housing



Base housing

Wiring close to the application

RockStar® always offers the right connection technology

SNAP IN

PUSH IN

Spring connection with SNAP IN technology

The innovative SNAP IN technology is revolutionizing control cabinet construction. The direct plugging of flexible conductors without a wire end ferrule thereby reduces conductor preparation and wiring.

Connection principle:

- Significant acceleration of installation and maintenance processes in the field.
- Tool-free, material- and time-saving, as crimping on ferrules is no longer necessary
- Simply insert the flexible stranded conductor into the open connection point until it „clicks“
- Secure connection that reliably withstands even strong impacts and vibrations

Field of application:

Wherever flexible conductors without ferrules are used, SNAP IN technology offers the decisive handling advantage. Especially in industries with an increased volume of signal cables.

Spring connection with PUSH IN technology

The PUSH IN spring connection with direct plug-in technology enables the fastest wiring process: The stripped or prepared conductor is simply inserted into the clamping point as far as it will go - and that‘s it. Operating the release lever is only necessary for highly flexible stranded wires or to release the connection. The stainless steel spring guarantees a high contact force of the conductor on the tinned copper busbar. An enclosing stainless steel cage prevents settling in the contact area. Supporting the clamping force on plastic parts was deliberately omitted.

Connection principle:

- Convenient, vibration-proof and gas-tight connection.
- Fine-stranded conductors with crimped-on ferrules, solid conductors or ultrasonically welded conductors simply inserted into the clamping point as far as it will go
- Spring and conductor stop ensure optimum connection conditions and guidance of the screwdriver to release the conductor.

Field of application:

The standard connector for applications in the field where fast wiring in combination with small dimensions is required and intuitive use is an advantage. Also in environmental conditions with strong vibration.

Spring connection with tension spring technology

The pretensioned tension spring made of high-quality stainless and acid-resistant steel pulls the conductor against the galvanized copper busbar, creating a permanently good vibration-resistant connection. The spring is opened by means of a screwdriver. The conductor is pushed into the spring cage via the conductor insertion funnel. The conductor is clamped by removing the screwdriver. Low contact resistance and high corrosion resistance are achieved by the surface-treated busbar.

Connection principle:

- Low contact resistance and high corrosion resistance.
- Tension spring made of high-quality, rust- and acid-resistant steel pulls the conductor against the tinned copper busbar
- Insensitive to vibrations and high conductor pull-out forces

Field of application:

For fast wiring with constant conductor clamping force, even in ambient conditions with strong vibration.

Screw connection

The simple handling makes the screw connection the universal screwed connection solution for all conductor types.

Connection principle:

- The screw connection is the best known connection technology worldwide
- The built-in wire protection spring protects the conductor from damage

Field of application:

For fast wiring with constant conductor clamping force, even in ambient conditions with strong vibration.

Wiring close to the application

RockStar® always offers the right connection technology.

TOP screw termination with pull effect

Whereas with the classic screw connection the screw is always arranged at right angles to the conductor outlet direction, the TOP connection allows operation from the conductor direction. The TOP connection thus enables the greatest possible packing density in the connection area. The „pull effect" ensures that when the conductor is connected, it is pulled into the clamping point and makes secure contact.

Connection principle:

- Parallelism of conductor entry and screw actuation: Simple wiring, for example, with small lateral distances in installation boxes.
- The conductor is pressed directly against the busbar via the hardened steel pressure clip
- The high contact force guarantees a gas-tight connection.

Field of application:

Housing designs or mounting conditions such as PCB inserts that do not allow right-angle screw actuation due to space constraints.

Crimp connection

The crimp connection technology was implemented in order to provide a cost-effective option for pre-assembly of connectors, even in very large quantities. The crimp contacts can therefore be terminated not only with hand tools, but also in very high quantities on the automatic crimping machine in production. The contacts then only have to be snapped into the housings provided. This connection technology meets the high requirements in railroad technology.

Connection principle:

- Fast, fully automated pre-assembly of connectors possible
- Durable, form-fit connection technology
- Low contact resistance
- Conductor connection is extremely resistant to temperature fluctuations and vibration

Field of application:

Applications where fully automated and factory-oriented processing steps are to be combined with field wiring. Also in environmental conditions with temperature fluctuations and strong vibration.

Axial screw connection

This connection technology combines the advantages of screw and crimp connections. The stripped conductors are pushed axially into the contact. From the opposite side, a hexagon socket screw is turned axially into the conductor. The connection unit is space-saving and easy to handle. This technique is commonly used for larger cross-sections where space is limited at the same time. Conventional screw or tension clamp connections would be too large in these cases. The result is easy-to-assemble contacts with the same installation space as crimp contacts, but where, in contrast to crimp technology, the conductors can also be disconnected and reconnected without having to use a new contact.

Connection principle:

- Low space requirement of the contact
- Easy handling: tool and conductor are kept in line during assembly
- Three steps for a secure connection: strip conductor, insert stranded wire into contact chamber, screw on contact

Field of application:

Applications wherever multi-core conductors with large cross-sections are used and simple connection technology that can also be disconnected again is required.

The right connection for every application

An overview of the wire connection types for the fixed-pole connector inserts from Weidmüller

Products	Tension clamp connection	PUSH IN connection	SNAP IN connection	Axial screw connection	Screw connection	Screw connection with wire protection mechanism	TOP-1.5k connection	Crimp connection
HDC HA (3 to 4-pole)		✓					✓	
HDC HA (10 to 48-pole)	✓	✓				✓		✓
HDC HE	✓	✓	✓			✓		✓
HDC HEE		✓						✓
HDC HEEE		✓						✓
HDC HD								✓
HDC HDD								✓
HDC HVE	✓					✓		
HDC HSB		✓				✓		
HDC HQ		✓		✓				✓
HDC S4				✓				
HDC S4/0				✓	✓			
HDC S4/2					✓			
HDC S6/12				✓			✓	
HDC S4/8					✓			
HDC S3/36								✓
HDC S8/24								✓
HDC S12/2								✓
HDC S6/6				✓			✓	
HDC S8/0				✓				
HDC HighPower 250 A								✓
HDC HighPower 550 A								✓

Crimp contacts

Whereas the contacts for screw, axial screw, tension clamp and PUSH IN connections are already built in, you can choose the appropriate contact for a crimp connection.

The heart of a connector is its contacts. They make up the actual connection between two conductors. Two types of contacts make this possible: pins and sockets (male and female). The pin conducts the electrical current on its outer surface and is introduced into the socket, which conducts the electrical current on its inner surface. Heavy-duty connectors have copper alloy contacts and the contact surfaces are plated with gold or silver: silver improves conductivity, gold is corrosion-proof.

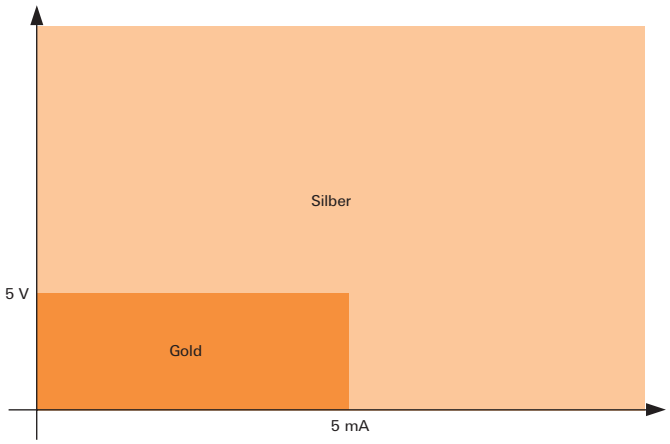
Crimp contacts are available in turned, solid form.

Selection of silver or gold-plated contacts

When using plug-in connectors under standard conditions, the resistance between the contacts has little effect. Even heavily corroded silver-coated contact pins and sockets do not exhibit any contact problems.

The situation is different where there are very small currents in extreme applications such as those in electroplating shops, tunnels or in cellulose processing. The silver oxide layer on the surface of the contacts forms an electrical resistance with capacitive, inductive and ohmic components. As a result, the original signal is distorted so much that the recipient is unable to detect it properly and interprets it incorrectly. This results in faults and indirectly, to damage to machines and processes. Gold-plated contacts should be used in such cases.

The rule of thumb is: use gold-coated contacts for currents < 5 mA and voltages of up to 5 V.



Overview of crimp contacts

	Article	Properties		Usage
	COAX contacts	Rated current: Surface finish:	1.5 A gold-plated	ModuPlug COAX Module
	D-SUB Crimpkontakte	Rated current: Cross-section: Surface finish:	5 A 0.20 – 0.12 mm² AWG 20 – 28 gold-plated	ModuPlug Gigabit Module
	MBUS contacts	Rated current: Cross-section: Surface finish:	0.5 - 4.0 A 0.50 - 1.00 mm² AWG 26 - 18 gold-plated	ModuPlug field-attachable data connector Cat.5 and Cat.6
	HD-, HDD contacts	Rated current: Cross-section: Surface finish:	10 A 0.14 – 2.50 mm² AWG: 26 – 14 gold-plated silver-plated	HD Series HDD Series
	HE, HEE, thermal contacts	Rated current: Cross-section: Surface finish:	16 A 0.5 – 4.00 mm² AWG: 20 – 12 gold-plated silver-plated	HA Series HE Series HEE Series HEEE Series HQ Series MixMate Series
	HX-contacts	Rated current: Cross-section: Surface finish:	40 A 1.5 – 6.00 mm² AWG: 16 – 10 silver-plated	HQ Series MixMate Series
	CM-3 contacts	Rated current: Cross-section: Surface finish:	57 A 1.5 – 10.00 mm² AWG: 16 – 7 silver-plated	HighPower signal contacts
	MHP 70	Rated current: Cross-section: Surface finish:	70 A 6 – 25 mm² silver-plated	ModuPlug
	MHP 100	Rated current: Cross-section: Surface finish:	100 A 10 – 35 mm² AWG: 8 – 2 silver-plated	ModuPlug
	MHP 200	Rated current: Cross-section: Surface finish:	200 A 25 – 70 mm² silver-plated	ModuPlug
	HP contacts	Rated current: Cross-section: Surface finish:	250 A / 550 A 25 – 240 mm² silver-plated	HighPower Series

Using wire-end ferrules

Type of connection	Series	HA	HE	HVE	HSB
Screw	Clamping range [mm²]	0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	–
	Clamping range [AWG]	20 – 12	20 – 14 (12)[1]	20 – 14 (12)[1]	–
	Ferrules with collars	H0.5/14 – H2.5/14 H0.5/16 – H2.5/16	H0.5/14 – H2.5/14[2] H0.5/16 – H2.5/16[2]	H0.5/14 – H2.5/14[2] H0.5/16 – H2.5/16[2]	–
	Ferrules without collars	H0.5/10 – H2.5/10	H0.5/10 – H2.5/10	H0.5/10 – H2.5/10	–
	Twin wire-end ferrules with collars	H0.5/16.5 (ZH) H0.5/18.5 (ZH) H0.75/17 (ZH) H1.0/20 (ZH) H1.5/20 (ZH)	H0.5/18.5 (ZH) H1.0/20 (ZH)[3] H1.5/20 (ZH)[3]	–	H0.5/15 (ZH) H0.5/16.5 (ZH) H0.5/18.5 (ZH) H0.75/15 (ZH) H0.75/17 (ZH) H1.0/15 (ZH) H1.0/20 (ZH) H1.5/16 (ZH) H1.5/20 (ZH) H2.5/18.5 (ZH)
	Crimp tool	PZ4[2], PZ6, PZ6/5	PZ4[2], PZ6, PZ6/5 PZ6 Hex[2]	PZ4[2], PZ6, PZ6/5 PZ6 Hex[2]	–
	Screwdriver	SDK PH0 SD 0.5x 3.0	SDK PH0 SD 0.5x 3.0	SDK PH0 SD 0.5x 3.0	–
	Tightening torque	0.5 Nm	0.5 Nm	0.5 Nm	–
Tension clamp	Clamping range [mm²]	0.25 – 1.5 2.5 solid core	0.25 – 2.5	0.25 – 2.5	–
	Clamping range [AWG]	24 – 14[4]	24 – 14	24 – 14	–
	Ferrules with collars	H0.5/14 – H1.5/14[4] H0.5/16 – H1.5/16[4]	H0.5/14 – H2.5/14[2]	H0.5/14 – H2.5/14[2]	–
	Ferrules without collars	H0.5/10 – H1.5/10[4]	–	–	–
	Twin wire-end ferrules with collars	–	H0.5/15 (ZH)[5] or[6] H0.75/15 (ZH)[5] or[6] H1.0/15 (ZH)[5] or[6] H1.5/16 (ZH)[5] or[6]	–	–
	Crimp tool	PZ4, PZ6, PZ6/5	PZ4[7], PZ6, PZ6/5	PZ4[7], PZ6, PZ6/5	–
	Screwdriver	SD 0.5x 3.0	SD 0.6x 3.5	SD 0.6x 3.5	–
PUSH IN	Clamping range [mm²]	–	solid 0.5 – 4 mm² flexible with ferrule 0.5 – 2.5 mm²	–	–
	Clamping range [mm²]	–	20 – 12	–	–
	Ferrules with collars	– – –	H0.5/14 – H1.5/14 H0.5/16 – H1.5/16 H0.75/18 – H2.5/18[2]	– – –	– – –
	Ferrules without collars	– –	H0.5/10 – H2.5/10[2] H1.5/12 – H2.5/12[2]	– –	– –
	Twin wire-end ferrules with collars	–	H0.5/18.4 ZH 500 V / 6 kV / 3 H1/20 ZH 400 V / 6 kV / 3 500 V / 6 kV / 3 only with protection degree of at least IP54 H1.5/20 ZH 400 V / 6 kV / 3 500 V / 6 kV / 3 only with protection degree of at least IP54	–	–
	Ferrules crimped with	–	PZ4. PZ6. PZ6/5. PZ6 Hex	–	–
PE contact	Clamping range [mm²]	0.5 – 4.0 0.5 – 2.5 flexible	0.5 – 4	0.5 – 4	–
	Clamping range [AWG]	20 – 12	20 – 12	20 – 12	–
	Ferrules with collars	H0.5/16 – H2.5/16	H0.5/16 – H4/16	H0.5/16 – H4/16	–
	Ferrules without collars	H0.5/10 – H2.5/10	H0.5/10 – H4/10	H0.5/10 – H4/10	–
	Ferrules crimped with	PZ4 [2], PZ6, PZ6/5	PZ4, PZ6, PZ6/5, PZ6 Hex	PZ4, PZ6, PZ6/5, PZ6 Hex	–
	Screwdriver	PH 1	PH 1	PH 1	–
	Tightening torque	1.2 Nm	1.2 Nm	1.2 Nm	–

[1] Depending on the diameter of the insulation, the max. AWG wire may need to be pushed in with some force.
[2] The 2.5mm² wire must be inserted with some force.
[3] When the rated voltage is reduced to 400 V / 6 kV / 3 or with a protection degree of at least IP54.
[4] Only by tilting the screwdriver can the clamping point be opened all the way.
[5] Wire-end ferrules may be used when the rated voltage is reduced to 400 V / 6 kV / 3.
[6] When the protection degree is at least IP54, the creepage and clearance distances within the encapsulation may be rated for a lower pollution degree (DIN EN 61984). For this encapsulation, the use of wire-end ferrules is possible with 500 V / 6 kV / 3.
[7] The PZ4 crimping tool should not be used with the max. wire size.

The connector inserts can be combined with wire-end ferrules in other ways depending on the available clamping range and the type of cable being used.
We would be happy to take a look at the technical feasibility of your specific application.

Tightening torques and screwing tools

Screw size	Connector type	Dia. tightening torque in Nm	Recommended blade inserts and AF size for hexagon socket
M2.5	**Signal contacts**		
	S 6/6	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	S 6/12	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
M2.9 x 0.5	**Fastening screws**		
	HQ 4/2	0.8 (plastic) / 1.1 (metal)	SD 0.6 x 3.5 mm or PH0
	HQ 8	0.8 (plastic) / 1.1 (metal)	SD 0.6 x 3.5 mm or PH0
	HQ 17	0.8 (plastic) / 1.1 (metal)	SD 0.6 x 3.5 mm or PH0
M3	**Contact screws**		
	HA 3	0.5 – 0.55	SD 0.5 x 3.0 mm
	HA 4	0.5 – 0.55	SD 0.5 x 3.0 mm
	HA 10 to HA 48	0.5 – 0.55	SD 0.6 x 3.5 mm or PH0
	HE	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	HVE	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	Signal contacts:		
	S 4/2	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	S 4/8	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	PE connection via female contact		
	S 4	0.5 – 0.8	SD 0.6 x 3.5 mm
	ConCept modular frame, metal	0.5 – 0.55	SD 0.6 x 3.5 mm
	PE terminal		
	HQ 5	0.5 – 0.55	SD 0.6 x 3.5 or 0.8 x 4 mm
	HQ 7	0.5 – 0.55	SD 0.6 x 3.5 or 0.8 x 4 mm
	Fastening screws	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	Guide pin	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	Guide bush	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
	Coding pins	0.5 – 0.55	SD 0.6 x 3.5 mm or PZ0
M4	**Contact screws**		
	HSB	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1
	PE connection via male contact		
	S 4	0.5 – 0.8	SD 0.6 x 3.5 mm
	ConCept modular frame, metal	1.2 – 1.5	SD 0.6 x 3.5 mm
	PE terminal		
	HA	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PH1
	HE	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PH1
	HEE	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PH1
	HVE	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PH1
	HD	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1
	HDD	1.2 – 1.5	SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1
	S 6/6 (for signal contacts)	1.2 – 1.5	0.8 x 4 mm or PZ1
	ConCept modular frame, plastic	1.2 – 1.5	0.8 x 4 mm or PZ1
M5	**PE terminal**		
	HSB	2 – 2.5	SD 1 x 5.5 mm or PZ2
	S 4/0 (Screw connection)	2 – 2.5	SD 1.2 x 6.5 mm or PH2
	S 4/0 (Axial screw connection)	2 – 2.5	SD 0.8 x 4 mm or PZ2
	S 4/2	2 – 2.5	SD 1.2 x 6.5 mm or PH2
	S 4/8	2 – 2.5	SD 1.2 x 6.5 mm or PH2
	S 6/12	2 – 2.5	SD 0.8 x 4 mm or PZ2
	S 6/36	2 – 2.5	SD 1.2 x 6.5 mm or PH2
	S 8/24	2 – 2.5	SD 1.2 x 6.5 mm or PH2
	S 12/2	2 – 2.5	SD 1.2 x 6.5 mm or PH2
M6	**Power contacts**		
	S 4/0 (Screw connection)	1.2 (1.5 mm²) / 2 (2.5 mm²) / 3 (4 – 16 mm²)	SD 0.8 x 4 mm
	S 4/2	1.2 (1.5 mm²) / 2 (2.5 mm²) / 3 (4 – 16 mm²)	SD 0.8 x 4 mm
	S 4/8	1.2 (1.5 mm²) / 2 (2.5 mm²) / 3 (4 – 16 mm²)	SD 0.8 x 4 mm
M7 x 0.75	**Power contacts**		
	S 4	1.1 – 1.7	SW 2
	S 6/6 (+ PE)	6 – 8	SW 4
M8 x 0.75	**Power contacts**		
	S 6/12	1.1 – 1.7	SW 2
	S 8/0 (+ PE)	6 (10 – 16 mm²) / 7 (25 mm²)	SW 4
M10 x 1	**Power contacts**		
	S 4/0 (Axial connection)	2 – 3	SW 3

Increasing the tightening torque does not improve the contact resistance. The stated torque settings offer optimal mechanical, thermal and electrical conditions.
Exceeding the recommended values may even damage the conductor and terminal.

Torque housing

Series	Size	Version	Number of screws	Thread size	Recommended tightening torque
IP 65	Size 1	Attachment	2	M 3	0.8 ... 1.0 Nm
IP 65	Size 2	Attachment	4	M 3	0.8 ... 1.0 Nm
IP 65	Size 3	Attachment	4	M 4	0.8 ... 1.0 Nm
IP 65	Size 4	Attachment	4	M 4	0.8 ... 1.0 Nm
IP 65	Size 5	Attachment	4	M 3	0.8 ... 1.0 Nm
IP 65	Size 6	Attachment	4	M 4	0.8 ... 1.0 Nm
IP 65	Size 7	Attachment	4	M 4	0.8 ... 1.0 Nm
IP 65	Size 8	Attachment	4	M 4	0.8 ... 1.0 Nm
IP 65	Size 9	Attachment	4	M 5	2.5 Nm
IP 65	Size 10	Attachment	4	M 5	2.5 Nm
IP 65	Size 12	Attachment	4	M 5	2.5 Nm
EMV / IP65	Size 3	Attachment	4	M 4	1.0 Nm
EMV / IP65	Size 4	Attachment	4	M 4	1.0 Nm
EMV / IP65	Size 6	Attachment	4	M 4	1.0 Nm
EMV / IP65	Size 8	Attachment	4	M 4	1.0 Nm
IP 68	Size 1	Attachment	2	M 4	1.0 Nm
IP 68	Size 3	Attachment	4	M 6	3.0 Nm
IP 68	Size 6	Attachment	4	M 6	3.0 Nm
IP 68	Size 8	Attachment	4	M 6	3.0 Nm
IP 68	Size 1	Attachment/socket – plug	2	M 4	1.0 Nm
IP 68	Size 3	Attachment/socket – plug	2	M 6	3.0 Nm
IP 68	Size 6	Attachment/socket – plug	2	M 6	3.0 Nm
IP 68	Size 8	Attachment/socket – plug	2	M 6	3.0 Nm
IP66	Size 3	Flange-mounted housing	2	M 6	3 Nm
IP66	Size 4	Flange-mounted housing	2	M 6	3 Nm
IP66	Size 6	Flange-mounted housing	2	M 6	3 Nm
IP66	Size 8	Flange-mounted housing	2	M 6	3 Nm

RockStar® – Housing types

Housing IP65 / NEMA Type 4X

The housing and the interlock mechanism on a connector protect the contacts from external mechanical influences (ie. shock, contamination, dust, accidental touching, moisture penetration, water and liquids such as cleaning solvents, coolants and oils). The durable RockStar® housings are produced with the highest quality standards; they provide IP65 protection and are resistant to corrosion and impacts. All housings come standard with a stainless steel interlock. A special die-cast alloy and the multi-level surface finish combine to deliver the ultimate protection against extreme conditions and ensure that the housings keep their visual appeal.

Applications
- General mechanical engineering
- Materials handling and factory construction
- Packaging machines
- Transport and traffic engineering
- Energy technology
- Lighting and stage equipment
- Process engineering

etc.

Features
- Tightness at least IP65 to IEC 60529
- Tightness NEMA Type 12, 4X
- Scratch-resistant, corrosion-proof, long-lasting

Design
- Cast aluminium alloy
- Multistage surface coating
- Colour: grey, similar to RAL 9006
- 3 versions, standard, high and XXL
- 11 sizes

Interlock system
- Clamp lock in different versions
- rustproof stainless steel

HQ Series Housings, IP65 / NEMA Type 4X

The HQ connector series has a very compact housing with IP65 protection. It is available in either plastic or metal. The full industrial capability of these products makes them a perfect match for the main usage in materials handling applications. The HQ housing series is particularly important for connecting motor starters and frequency converters. It is also the ideal extension for setting up a decentralised power distribution system based on FieldPower®.

Applications
- General machine construction
- Materials handling and factory construction
- Decentralised automation

etc.

Features
- Tightness: at least IP65, acc. to IEC 60529
- Tightness: NEMA Type 12, 4X
- Complies with VDE and ISO 23570 (DESINA)
- Scratch-proof, corrosion resistant and durable

Design
- Plastic housing: polycarbonate, glass-fibre reinforced; Colour: grey, similar to RAL 7032
- Metal housing: die-cast zinc, nickel-plated, multi-level surface coating, EMC properties
- Cable outlet is straight or angled

Interlock system
- Clamp interlock made from rust-free stainless steel

IP65 EMC housing

In today's industrial environment, machines, plant and devices are becoming more and more complex. At the same time, automation is also on the rise. Lots of sensors and actuators are controlled to transmit or receive sensitive signals. And what's more, reliability and availability are becoming increasingly important quality features of machines and devices. This means that they need to be optimally designed in terms of electromagnetic compatibility (EMC).

Applications
- Machine construction
- Wind energy
- Transportation

Features
- Labyrinth structure on the housing
- FPM seal material
- Conductive surface
- O-ring seal
- IP65 protection class acc. to 60529
- Scratch-proof, corrosion resistant and durable

Design
- Die-cast aluminium, resistant to sea water
- Multi-level surface coating
- Colour: black, similar to RAL 9005
- Four sizes
- Cable outlet is straight or lateral

Interlock system
- Removable clamp lock in different versions
- Clamp system made of polyamide with internal stainless steel spring

Housing IP68

The IP68 housings have been developed for use under extreme environmental conditions. The high degree of protection (IP68 and IP69K) and the excellent resistance to vibration and shock guarantee fail-safe operation when heavy-duty connectors are used in vehicles and under tough climatic conditions. If you want to protect your delicate interfaces from EMC emissions, these connectors are the right choice for you.

Applications
- Transport and traffic engineering
- Energy technology
- Applications with extreme protection class requirements

Features
- Labyrinth structure on the housing
- Silicone sealing material
- Conductive surface
- O-ring seal
- Tightness IP68 / 5 bar to IEC 60529
- IP69K impermeability according to DIN 40050-9
- Scratch-proof, corrosion resistant, impact resistant and durable

Design
- Cast aluminium alloy
- Multistage surface coating
- Optimised construction for high impact resistance and EMC
- Colour: black RAL 9005
- 5 sizes; size 8 also in XXL

Interlock system
- Screw cap with internal/external hex drive

RockStar® – Housing types

Flange-mounted housing IP66

Our flange-mounted housings made of plastic have a built-in cable gland and a screw interlock. They seal directly onto the panel wall and can therefore be used without an attachment housing. The housings are impressive with their low weight and optimal protection against contamination, water and vibrations.

EXI housing

The option of disconnecting cables in the EXI area simplifies installation and servicing and enables better preparation. The Rockstar® EXI enclosures shown here are identified for use by their article designation.
A blue color is therefore not required. A blue EXI gland is required to complete the enclosure.

Applications:
- Machinery and plant engineering
- Automotive industry
- Panel building
- Wind power plants

Features:
- Tightness IP66/67 acc. to IEC 60529
- Tightness NEMA type 12, 4X
- Resistance against impacts acc. to DIN EN 50102
- Robust, durable, corrosion resistant

Design
- Plastic housing made of polyamide
- Colour: black
- Four sizes
- Cable outlet is straight or angled

Interlock system
- Screw connection with hexagon socket
- Material: stainless steel

Locking systems

One longitudinal locking clamp on housing bottom

- Manual operation – no tools required
- 2 locking points – along the longitudinal axis
- Good for lengthwise alignment
- Interlock system made from rust-free stainless steel

One central locking clamp on housing top

- Manual operation – no tools required
- 2 locking points along the transverse axis
- Easily accessible from above where space is limited
- Made from rust-free stainless steel

Two transverse locking clamps on housing bottom

- Manual operation – no tools required
- 4 locking points – good sealing effect
- Easily accessible when the cable inlet is in the plugging direction
- Good for aligning side by side
- Made of plastic and rust-free stainless steel

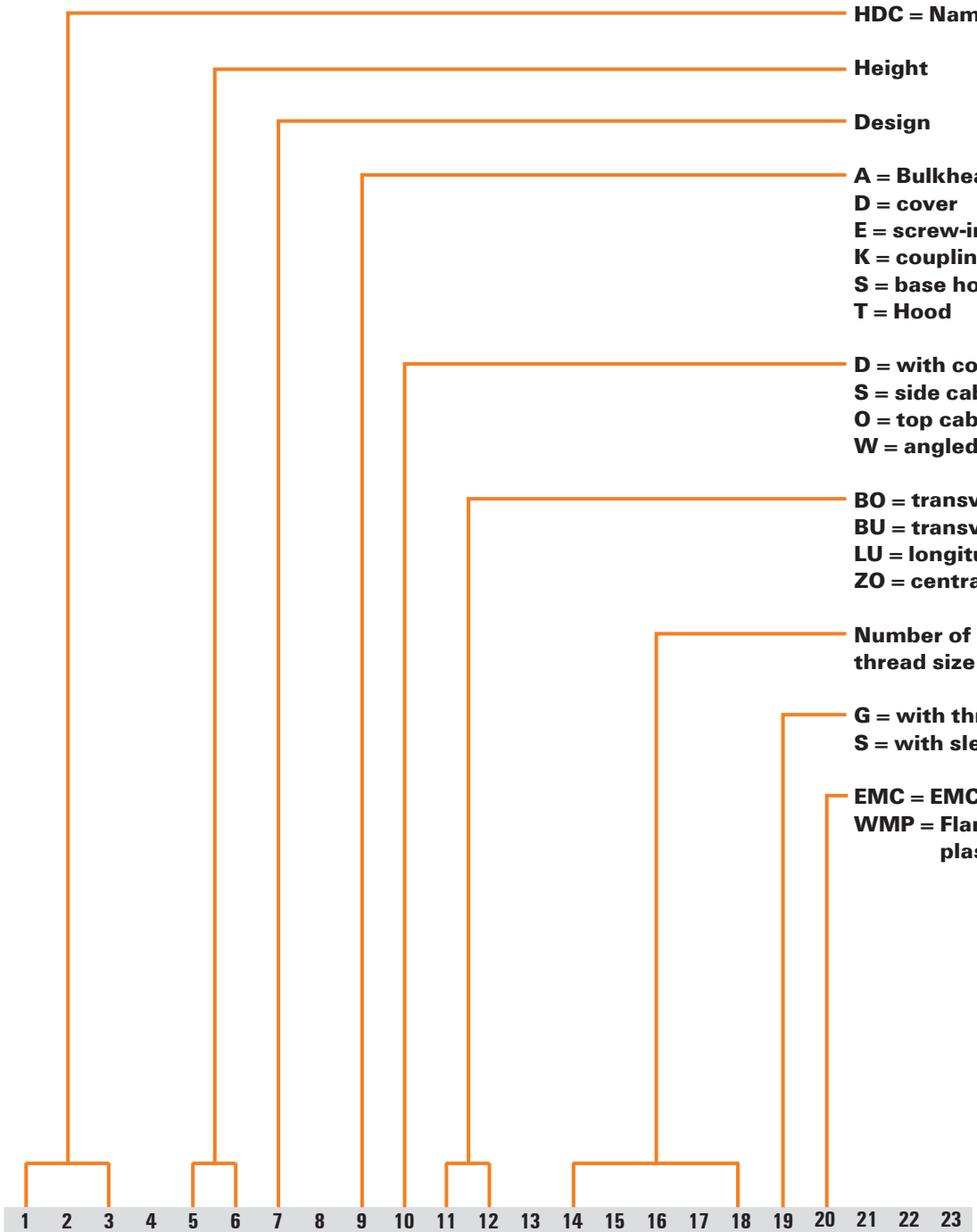
Screw fastening

- Uses internal/external hex drive
- Most effective seal
- The two interlock points are arranged diagonally
- Easily accessible when space is tight
- Screws made from rust-free stainless steel

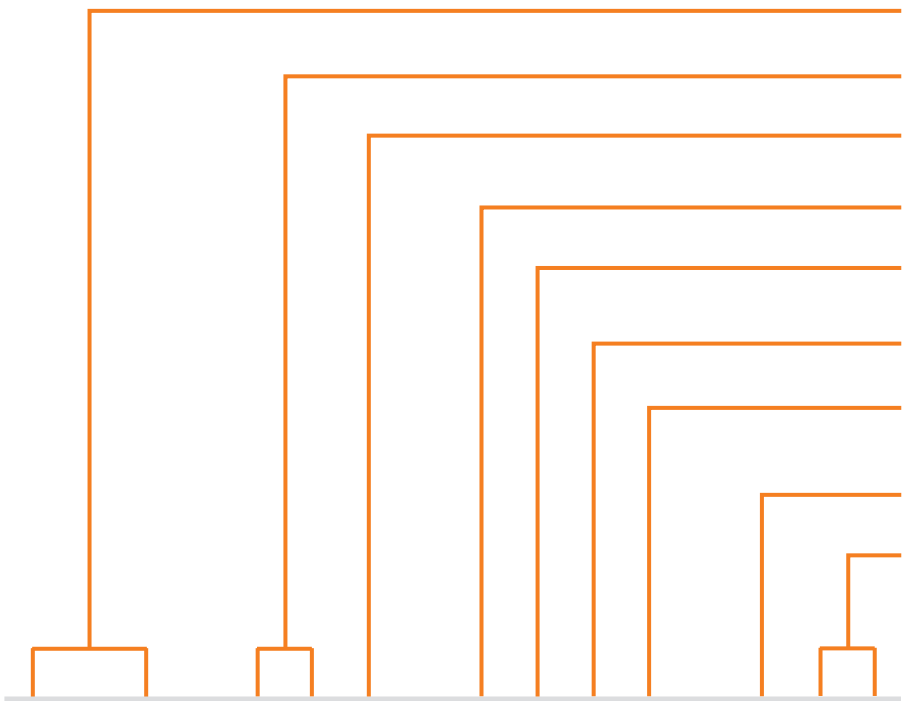
Two transverse locking clamps on housing top

- Manual operation – no tools required
- 4 locking points – good sealing effect
- Easily accessible when the cable inlet is in the plugging direction
- Good for aligning side by side
- Interlock system made from rust-free stainless steel

Part codes for housings IP65



Part codes for covers



HDC = Name of product line

Height

B = Design

D = Cover

M = with Gasket
O = without Gasket

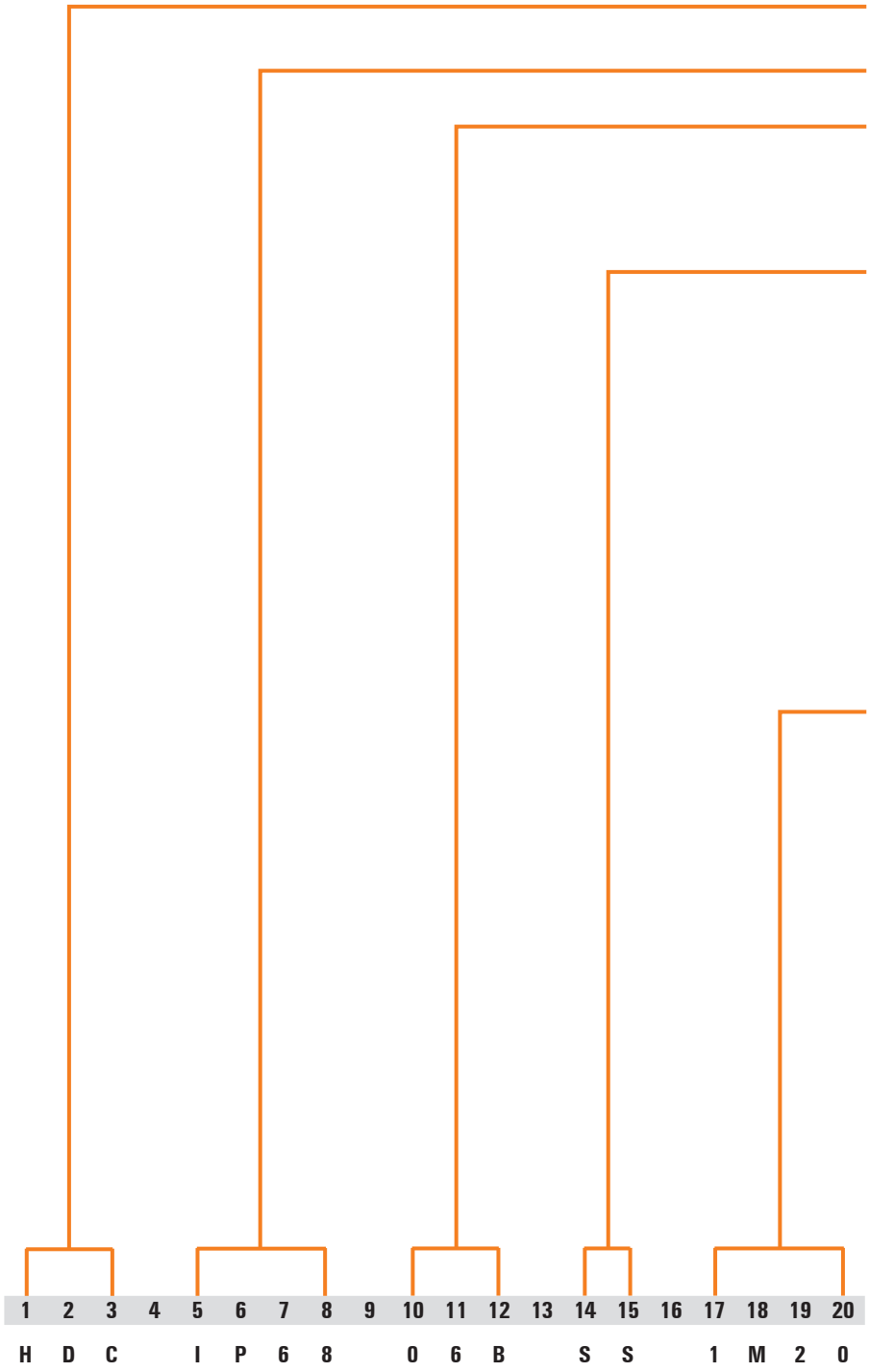
Gasket

L = End locking
Q = Side locking

No.

BO = Bolt
LB = Longitudinal clamp
QB = Transversal clamp

Part codes for housings IP68



HDC = Name of product line

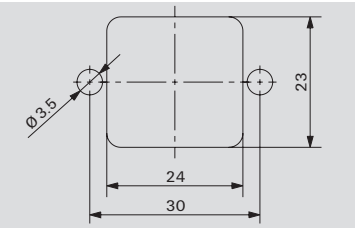
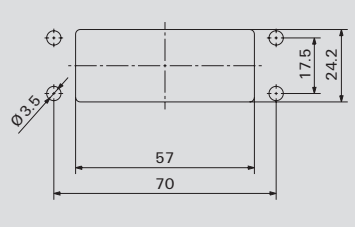
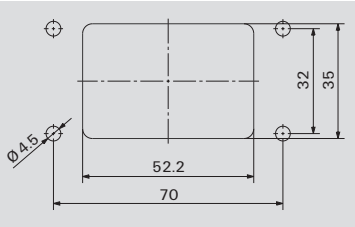
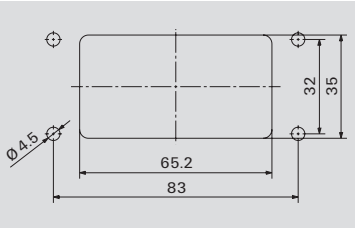
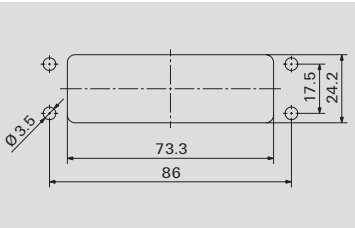
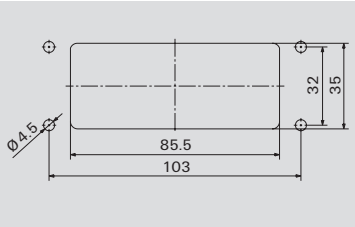
IP68 = Name of product series

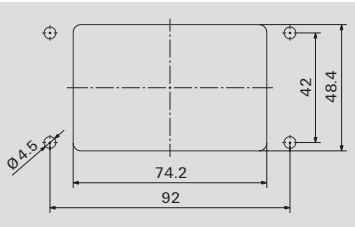
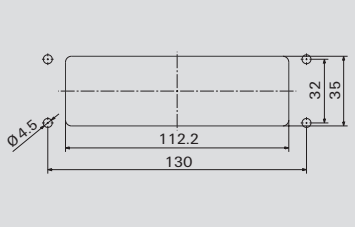
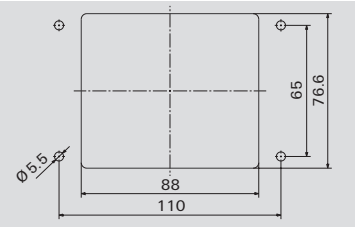
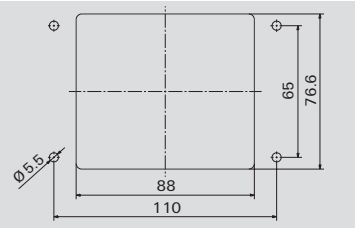
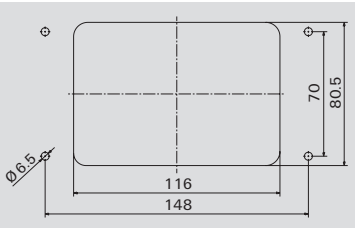
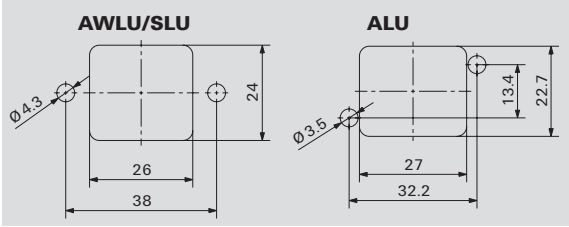
06B = HDC size
10B
16B
24B

Version:
SS = Base housing
AS = Bulkhead housing
AWS = Bulkhead housing, angled
ADS = Adapter to mount bulkhead housing at an angle
TOS = Plug housing, cable outlet at top
TSS = Plug housing, cable outlet sideways
FRAME = Counter-frame
COVER = Cover

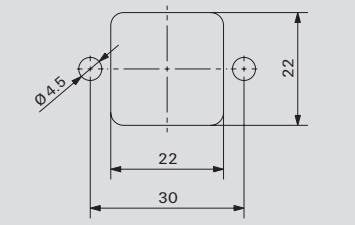
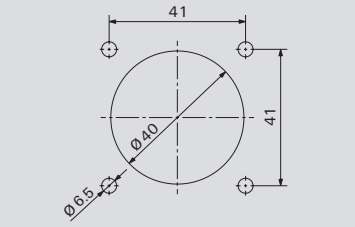
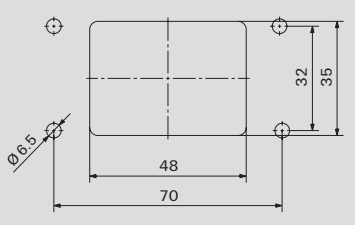
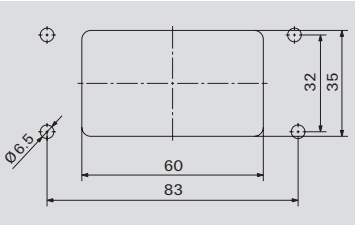
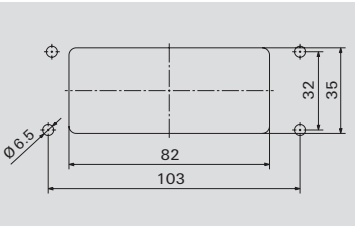
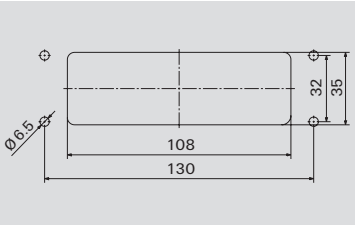
Number and size of the cable entry holes

Panel cut-out
Housings IP65

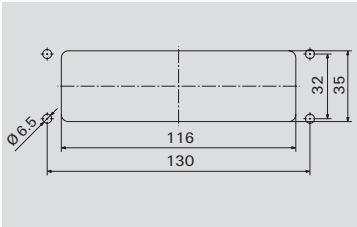
Size	Designation	
BG1	04A/07A	
BG2	10A	
BG3	06B	
BG4	10B	
BG5	16A	
BG6	16B	

Size	Designation	
BG7	32A	
BG8	24B	
BG9	48A	
BG10	32B	
BG12	48B	
HQ		

Panel cut-out
Housings IP68

Size	Designation	
BG1	04A	
BG1	04A AWS	
BG3	06B	
BG4	10B	
BG6	16B	
BG8 BG8	24B HP 24B	

XXL Housings in IP68

Size	Designation	
BG8	HB24	

Electrical data

Design of clearances and creepage distances in electrical equipment

General

Since April 2003, the rules of DIN EN 60664-1 / 11.03 in conjunction with DIN 61984 / 09.02 apply to the dimensioning of clearances and creepage distances.

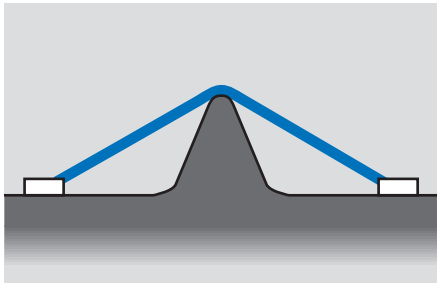
The design data resulting from these provisions is – if applicable – specified in this catalogue for each product.

For the design of clearances and creepage distances, application of the regulations for insulation coordination produces the following interrelationships:

Clearances

Clearances are rated in accordance with the following factors:

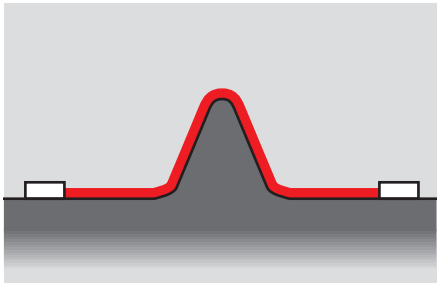
- Anticipated surge:
  rated impulse withstand voltage
- Used
  surge protection precaution
- Measures to prevent pollution:
  pollution severity

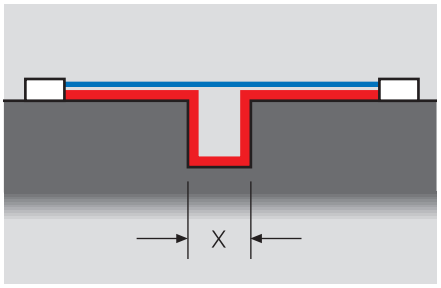


Creepage distances

Creepage distances are rated in accordance with the following factors:

- Planned
  rated voltage
- Insulation materials used:
  insulation group
- Measures to prevent pollution:
  pollution severity





Slots are taken into account when measuring creepage distances if their minimum width x is dimensioned according to the following table:

Pollution severity	Minimum width x in mm
1	0.25
2	1.0
3	1.5
4	2.5

If the associated clearance in air is less than 3 mm, the minimum slot width can be reduced to ⅓ of the clearance.

Influencing factors:

Rated impulse withstand voltage
The rated impulse withstand voltage is derived from:

- **Phase-to-earth voltage** (the nominal voltage of the network, taking all networks into account)
- **Surge category**

The surge categories are defined in accordance with international standard DIN EN 60664-1 (for electrical equipment fed directly from the low voltage network):

Surge category I
Equipment that is intended to be connected to the permanent electrical installation of a building. Measures to limit transient surges to the specific level are taken outside the equipment, either in the permanent installation or between the permanent installation and the equipment.

Surge category II
Equipment to be connected to the permanent electrical installation of a building e.g. household appliances, portable tools and similar loads.

Surge category III
Equipment that is part of the permanent electrical installation and other equipment where a higher degree of availability is expected e.g. distribution boards, circuit-breakers, wiring systems (IEV 826-06-01, including cables, busbars, junction boxes, switches, power sockets) in the permanent installation, and equipment for industrial use and some other equipment, e.g. stationary motors with permanent connections to the permanent installation.

Surge category IV
Equiment for use at or in the proximity of the incoming supply point of the electrical installations of buildings upstream of the main distribution board e.g. electricity meters, circuit-breakers and ripple control units.

Pollution severity categories:

Pollution severity category 1
No pollution, or only dry, non-conductive pollution that has no influence.

Pollution severity category 2
Non-conductive pollution only; occasional condensation may cause temporary conductivity.

Pollution severity category 3
Conductive pollution, or dry, non-conductive pollution that is liable to be rendered conductive through condensation.

Pollution severity category 4
Contamination results in constant conductivity, e.g. caused by conductive dust, rain or snow.

The dimensioning of clearances and creepage distances, and hence the rating data for electromechanical products (terminals, terminal strips, PCB terminals and plug-in connectors) is based on pollution severity 3 and surge category III, taking account of all network types.

Table 1: Three-phase 4 or 3-conductor a.c. systems

Nominal voltage of power supply systems	For conductor-cond. insulat.	For conductor-earth isolation	
	all Systems	3-phase 4-conductor systems with earthed neutral cond.	3-phase 4-conductor systems unearthed or cond. earthed
V	V	V	V
60	63	32	63
110 120 127	125	80	125
150	160	-	160
208	200	125	200
220 230 240	250	160	250
300	320	-	320
380 400 415	400	250	400
440	500	250	500
480 500	500	320	500
575	630	400	630
600	630	-	630
660 690	630	400	630
720 830	800	500	800
960	1,000	630	1,000
1,000	1,000	-	1,000

Electrical data

Design of clearances and creepage distances in electrical equipment, influencing factors:

Rated voltage

The rated voltage is derived from the nominal voltage of the power supply and the corresponding network type.

Single-phase
2- or 3-wire AC or DC systems

Rated voltage of the power supply (mains) *)	Voltages for table 4	
	For insulation phase-to-phase 1)	For insulation phase-to-earth 1)
	All systems	3-wire systems neutr. point earthing
V	V	V
12.5	12.5	–
24/25	25	–
30	32	–
42/48/50**)	50	–
60	63	–
30 – 60	63	32
100**)	100	–
110/120	125	–
150**)	160	–
220	250	–
110 – 220	250	125
120 – 240		
300**)	320	–
220 – 440	500	250
600**)	630	–
480 – 960	1,000	500
1,000**)	1,000	–

3-phase
3- or 4-wire AC systems

Rated voltage of the power supply (mains) *)	Voltages for table 4		
	For insulation phase-to-phase	For insulation phase-to-earth	
	All systems	3-phase 4-wire systems with earthed neutral wire 2)	3-phase 3-wire systems unearthed 1) or phase-earthed
V	V	V	V
60	63	32	63
110/120/127	125	80	125
150**)	160	–	160
208	200	125	200
220/230/240	250	160	250
300**)	320	–	320
380/400/415	400	250	400
440	500	250	500
480/500	500	320	500
575	630	400	630
600**)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1,000	630	1,000
1,000**)	1,000	–	1,000

1) Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.
2) For electrical equipment for use in both 3-phase 4-wire and 3-phase 3-wire supplies, earthed and unearthed, use the values for 3-wire systems only.
*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.
**) Because of the common changes, the meaning of the ** symbol has not been used in table 1; i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-neutral voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire 3-phase systems and specifies the value phase-to-phase. The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

Insulating material

The insulating materials are subdivided into four groups according to their CTI (Comparative Tracking Index):

Insulating material	
I	600 ≤ CTI
II	400 ≤ CTI < 600
III a	175 ≤ CTI < 400
III b	100 ≤ CTI < 175

The comparative tracking index must be determined according to DIN IEC 112/VDE 0303 part 1 on the basis of specially prepared samples with test solution A.

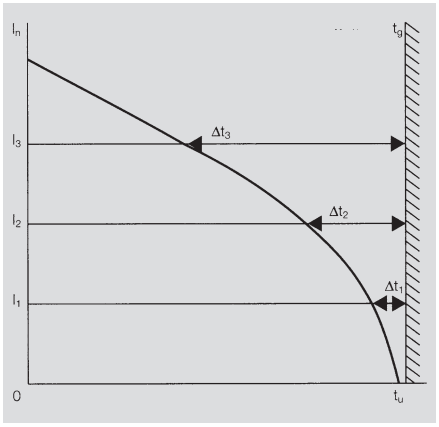
The **derating curve** shows which currents may flow continuously and simultaneously via all possible connections when the component is subjected to various ambient temperatures below its upper limit temperature.

The **upper limit temperature** of a component is the rated value determined by the materials used. The total of the ambient temperature plus the temperature rise caused by the current load (power loss at contact resistance) may not exceed the upper limit temperature of the component, otherwise it will be damaged or even completely ruined. The current-carrying capacity is hence not a constant value, but rather decreases as the component ambient temperature increases. Furthermore, the current-carrying capacity is influenced by the geometry of the component, the number of poles and the conductor(s) connected to it.

The current-carrying capacity is determined empirically according to DIN IEC 60512-3. To do this, the resulting component temperatures t_{b1}, t_{b2} ... and the ambient temperatures t_{u1}, t_{u2} are measured for three different currents I_1, I_2, I_3 ....
The values are entered on a graph with a system of linear coordinates to illustrate the relationships between the currents, the ambient temperatures and the temperature rise in the component.

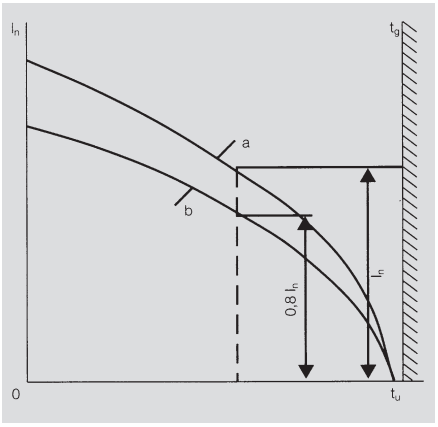
Base curve

upper limit temperature of component



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current

Derating curve



t_g = upper limit temperature of component
t_u = ambient temperature
I_n = current
a = Base curve
b = Reduced base curve (derating curve)

The loading currents are plotted on the y-axis, **the component ambient temperatures** on the x-axis. A line drawn perpendicular to the x-axis at the upper limit temperature t_g of the component completes the system of coordinates. The associated average values of the temperature rise in the component, $\Delta t_1 = t_{b1} - t_{u1}$, $\Delta_{t2} = t_{b2} - t_{u2}$, ... are plotted for every current I_1, I_2, ... to the left of the perpendicular line. The points generated in this way are joined to form a roughly parabolic curve.

As it is practically impossible to choose components with the maximum permissible contact resistances for the measurements, the base curve must be reduced. Reducing the currents to 80 percent results in the **"derating curve"** in which the maximum permissible contact resistances and the measuring uncertainties in the temperature measurements are taken into account in such a way that they are suitable for practical applications, as experience has shown. If the derating curve exceeds the currents in the low ambient temperature zone, which is given by the current-carrying capacity of the conductor cross-sections to be connected, then the derating curve should be limited to the smaller current in this zone.

Electromagnetic compatibility (EMC)

Many interfaces require the use of a connector that is EMC-compliant.

What is meant by the phrase EMC-compliant?

Electro-magnetic compatibility (EMC) refers to the ability of electrical equipment to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment.
(DIN VDE 0870). An electrical component or electrical equipment is considered to be compatible when their emissions and sensitivity levels are within a tolerable range (i.e., when there is sufficient interference immunity).

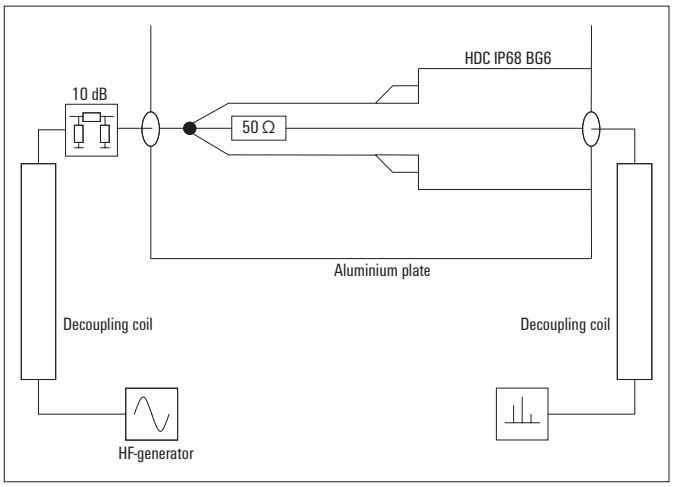
The basics

There are several types of measurements that can be used to determine the effectiveness of a cable shield. The method used here is the KS 04 B measurement from VG 95 373-41 “Electromagnetic compatibility of devices – methods for measuring shielded cable and shielded protective cable hoses”. This method enables the quality of the shield to be evaluated. It also assesses the influence of the contact points of the shielding braid as well as the male and female plug components.
A standardised test cable with a length of one metre is used. This, and the fact that this measurement is carried out in a 50-ohm system which does not take the actual line impedance into account, leads to characteristic resonance effects. This means that this measurement process only delivers meaningful results up to a frequency of 30 to 100 MHz. It is, however, well suited for evaluating and comparing the effectiveness of various shielding and shield-contacting methods. It does not deliver an absolute value that would enable the limiting of voltages coupled in a cable, using an imposed HF electromagnetic field. The user should always consider the measurement results relative to the laboratory operational situation. Your actual, real-world shield attenuation values will normally be less than the values achieved in the lab because of different cable lengths, impedance behaviour and non-optimal earthing.

Testing methods

The method applied does not use the normative tri-axial measuring platform, but instead uses an aluminium plate (with dimensions 500 x 380 x 10 mm). This plate serves as the test’s reference earth. HF sockets (N-standard) are mounted on two standing angular panels and are used to connect the measuring device. The flange along with the plug are mounted to one of the angular panels.

The limit value of the shield attenuation Sa is
f < 1 MHz: 60 dB
1 MHz < f < 100 MHz: 60 – 30 dB with15 dB per decreasing decade f = 100 MHz: 30 dB

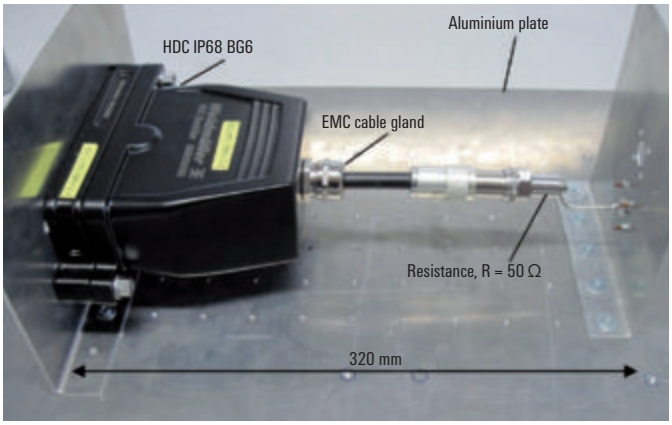


According to VG 95373-41, a frequency range up to 30 MHz is specified for the measurement process. However the range can be extended to about 100 MHz for information purposes.
The insertion loss as of the test object is determined by the relationship between the voltage on the interior wire and the supplied voltage. The VG95373-41 also refers to the insertion loss as the shield attenuation factor.
The relationship between insertion loss as and coupling resistance Zk is characterised as follows:

Insertion loss: $a_s \approx 20\ l_g\ 50\ \Omega\ /\ |\ Z_k\ |$ in dB
Coupling resistance: $Z_k \approx 50\ \Omega \times 10\ a_s / 20$ in Ω

According to VG 95373-41, this relationship has sufficient precision when $Z_k < 500$ mΩ.

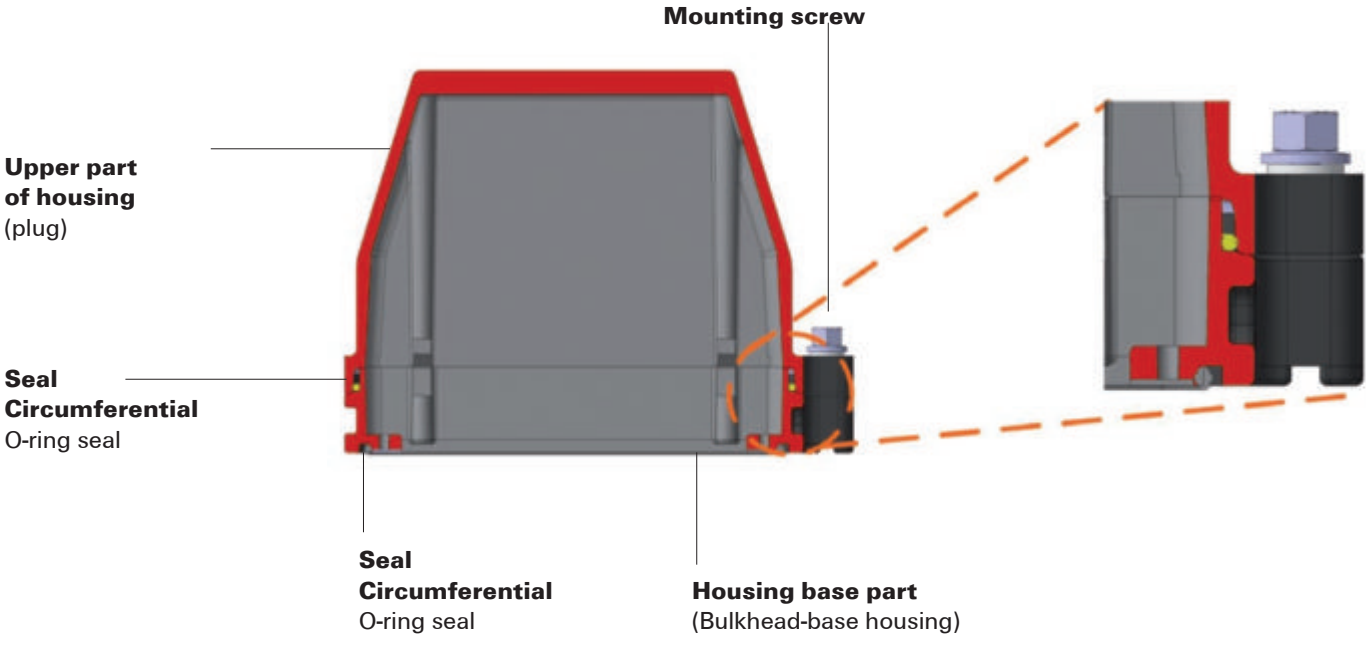
In order to test plug-in connectors, a reference shield cable is used that is separated in the middle. The cable can be connected with a corresponding connector pair and measured as described above. In order to evaluate the shield (the resistance between the cable shield and the reference earth), the connector frame and its reference earth are mounted directly to the cover of the testing equipment.



Housing must have very good EMC characteristics in order to meet these requirements.

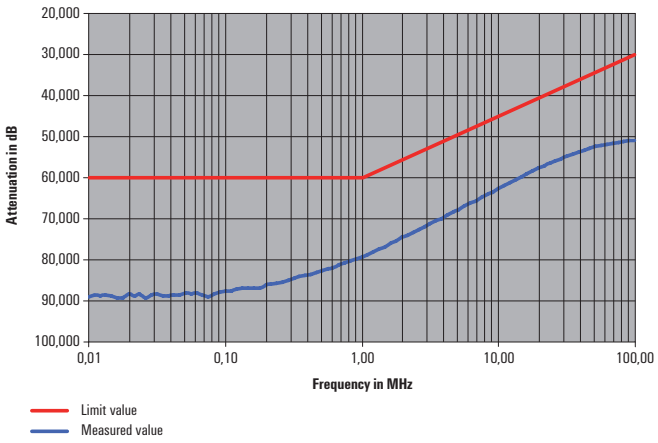
Weidmüller has designed the RockStar® IP68 housing with built-in features that ensure outstanding EMC and resistance to interference.

The bulkhead or base housing, combined with the plug housing, produces a labyrinth structure which ensures high EMC shield attenuation. In addition to providing the required EMC protection, this housing series features IP68/IP69K protection and excellent resistance to impacts and vibration. This combination of features permits the RockStar® IP68 housing to be used anywhere.



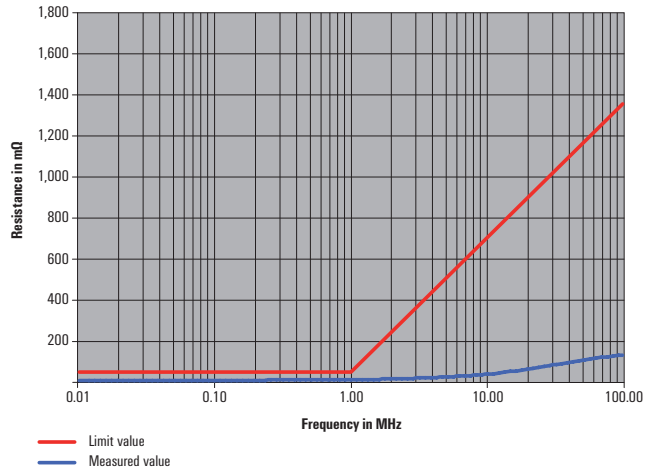
The requirements for an EMC-compliant interface stipulate that the interference immunity level or shield attenuation potential should be rated high enough so that the electromagnetic fields in the vicinity of the transmitted signals cannot exert influence within the connector. The capacity for active interference must be low enough to ensure that surrounding devices or components are not affected by interference. The following diagrams illustrate the insertion loss and the coupling impedance for the adjacent housing.

Insertion loss



HDC IP68 16B TSS 1M50

Coupling impedance



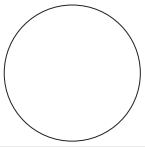
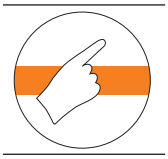
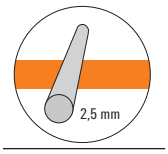
IP classes of protection to IEC 60529

The class of protection is indicated by a code consisting of the two letters IP and two digits representing the class of protection.

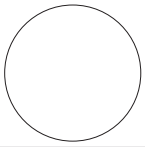
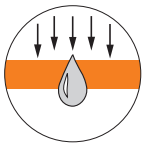
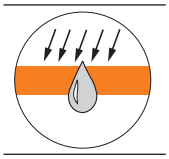
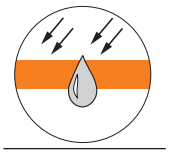
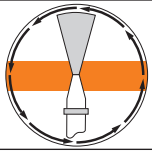
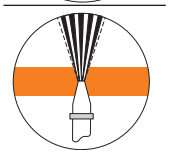
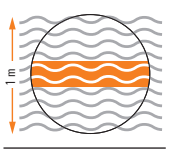
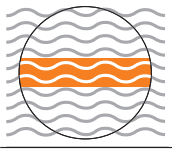
Example: I P 6 5

- 2nd digit: protection from liquids
- 1st digit: protection from solid bodies

Protection against intrusion of external particle matter (1st digit)

Digit		
0		No protection
1		Protection against ingress of large solid bodies with diameter > 50 mm. (Protection to prevent dangerous parts being touched with the back of the hand.)
2		Protection against ingress of large solid bodies with diameter > 12.5 mm. (Protection to prevent dangerous parts being touched with the fingers.)
3		Protection against ingress of large solid bodies with diameter > 2.5 mm. (Protection to prevent dangerous parts being touched with a tool.)
4		Protection against ingress of large solid bodies with diameter > 1 mm. (Protection to prevent dangerous parts being touched with a piece of wire.)
5		Protection against harmful deposits of dust, which cannot enter in an amount sufficient to interfere with satisfactory operation.
6		Complete protection against ingress of dust.

Protection against penetration of liquids (2nd digit)

Digit		
0		No protection
1		Protection against drops of condensed water falling vertically.
2		Protection against drops of liquid falling at an angle of 15° with respect to the vertical.
3		Protection against drops of liquid falling at an angle of 60° with respect to the vertical.
4		Protection against liquids splashed from any direction.
5		Protection against water jets projected by a nozzle from any direction.
6		Protection against water from heavy sea on ships' decks.
7		Protection against immersion in water under defined conditions of pressure and time.
8		Protection against indefinite immersion in water under defined conditions of pressure (which must be agreed between manufacturer and user and must be more adverse than number 7).

Class of protection to NEMA

National Electrical Manufacturers Association NEMA 250-1991

Digit		Digit	
Typ 1	Housing primarily for use in inside rooms. Protects from penetration of solid bodies.	Typ 12	Housing for use in inside rooms. Protects from dust deposits and non-corrosive dripping liquids.
Typ 2	Housing primarily for use in inside rooms. Protects from penetration of solid bodies and water.	Typ 13	Housing for use in inside rooms. Protects from dust deposits, water spray, oil and non-corrosive coolants.
Typ 3	Housing primarily for outdoor use. Protection against penetration by rainfall and dust as well as damage due to ice formation.		
Typ 3R	Housing primarily for outdoor use. Protection against rain and snow as damage due to ice-formation.		
Typ 3S	Housing primarily for outdoor use. Protection against rain, snow and foreign bodies. External mechanisms can be operated despite ice accumulation.		
Typ 4	Housing for inside and outside rooms. Protects from rain, foreign bodies, water spray and water jets as well as damage through ice formation on the outside of the housing.		
Typ 4X	Housing for inside and outside rooms. Protects from corrosion, rain, foreign bodies, water spray and water jets as well as damage through ice formation on the outside of the housing.		
Typ 6	Housing for inside and outside rooms. Protects from water jets as well as penetration of water when submerged; protects from damage through ice formation on the outside of the housing.		

Chemical resistance

Chemical resistance of inserts (material PC, 20 % GF)

Acetone	+
Ammonia, aqueous	–
Petrol	+
Benzine	+
Diesel oil	–
Acetic acid, concentrated	+
Aqueous potassium hydroxide	–
Methanol	–
Engine oil	–
Alkaline solution, diluted	+
Chlorinated hydrocarbons	–
Use in open air	–

+ resistant
– partially resistant

Chemical resistance of standard housing seal (material NBR)

Acetone	–
Drilling oil	+
Diesel oil	+
Ethyl alcohol	+
Gear oil	+
Hydraulic oil	+
Cooling lubricant	+
Petrol	+
Sweat	+
High-octane petrol	–
Water	+
UV	o
Ozone	o

+ resistant
– partially resistant
o not resistant

Chemical resistance of inserts (material PA6.6, 20 % GF)

Acetone	+
Ammonia, aqueous	+
Benzine	+
Diesel oil	+
Acetic acid, concentrated	–
Aqueous potassium hydroxide	+
Methanol	+
Engine oil	+
Alkaline solution, diluted	–
Chlorinated hydrocarbons	–
Use in open air	–

+ resistant
– partially resistant

Chemical resistance of silicone seal housing IP68

Acetone	+
Diesel oil	o
Ethyl alcohol	+
Gear oil	–
Hydraulic oil	–
Petrol	o
Sweat	–
High-octane petrol	o
Water	+
UV	+
Ozone	+

+ resistant
– partially resistant
o not resistant

Chemical resistance of FKM seal

Acetone	o
Diesel oil	+
Ethyl alcohol	+
Hydraulic oil	+
Acids	o
Benzine	+
Water	+
UV	+
Ozone	+

+ resistant
o not resistant

Safety information and standards

Please note the following safety information:

- Never plug or unplug connectors under load or during operations.
- We can only guarantee the technical and electro-technical characteristics promised in this catalogue if all the components were supplied by Weidmüller.

The following standards apply in the vicinity of heavy-duty connectors:

- DIN EN 60664-1 or IEC 60664-1: Insulation coordination for equipment within low-voltage systems; principles, requirements and tests (replaces DIN VDE 0110-1)

- DIN EN 61984 or IEC 61984:
  Plug-in connectors – safety requirements and tests

- DIN EN 175301-801:
  Detail Specification: High-density rectangular plug-in connectors, round removable crimp contacts; (replaces DIN 43652)

- DIN EN 60352 or IEC 60352:
  Solderless connections

- DIN EN 60529 or IEC 60529:
  Classes of protection provided by enclosures (IP code)

- DIN VDE 0870:
  Electromagnetic influence

- DIN EN 60999-1:
  Connecting devices, safety requirements for screw terminal connections and screwless terminal connections for electrical copper conductors

- DIN 40050-9:
  Road vehicles; classes of protection (IP-code)

RockStar® inserts

RockStar® inserts

Introduction	B.2
HA series 250 V 16 A 3 – 48 poles	B.4
HE series 500 V 24 A 6 – 48 poles	B.22
HE EXI series 60 V 5 A 6 – 24 poles	B.36
HEE series 500 V 16 A 10 – 64 poles	B.46
HEEE series 500 V 16 A 40 – 64 poles	B.58
HD series 250 V 10 A 7 – 128 poles	B.64
HDD series 250 V 10 A 24 – 216 poles	B.84
HVE series 830 V 20 A 3 + 2; 6 + 2; 10 + 2 poles	B.98
HSB series 400 V 35 A 6 – 12 poles	B.106
HQ series 400 V / 690 V 16 A, 10/40 A 4/2, 5, 7, 8, 12, 17 poles	B.112
MixMate series 1,000 V / 690 V 100 A 4, 4/0, 4/2, 4/8, 6/6, 6/12, 6/36, 8/0, 8/24, 12/2 poles	B.134

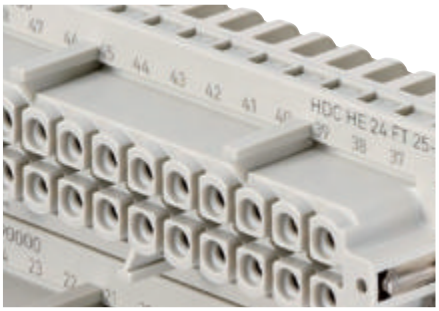
Fixed pole RockStar® inserts
Flexible. Compact. High performance.

Rely on real RockStars when choosing your connectors. Our broad portfolio of heavy-duty connectors offers the right solution for all requirements for the transmission of energy, signals, and data outside the control cabinet. At the heart of our RockStar® connectors are the inserts. No matter which interface you want to implement, the nine series in up to 12 sizes ensure reliable electrical function.

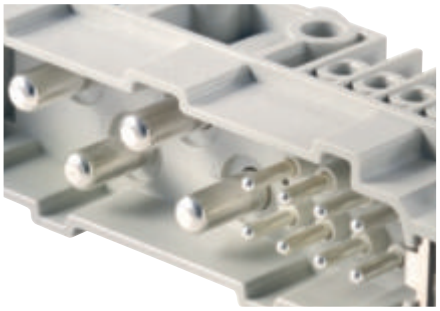
The RockStar® inserts are made from glass-fibre-reinforced polycarbonate. This material is distinguished by its low water absorption and the high levels of dimensional stability made possible by the added glass fibres. Therefore our rugged RockStar® inserts are the ideal choice for solutions of up to 216 poles and a maximum of 110 A / 1,000 V.

Fast wiring. But safe.
Choose from all common connection technologies including the PUSH IN direct plug-in technology and the brand new SNAP IN connection. The SNAP IN principle is particularly easy to use: The stripped conductor is inserted directly into open connection points and the snap connection snaps into place with a click.

Consistency
One plastic material – with all approvals. This expands your range of choices. It also helps you to have simple documentation and reliable planning processes.

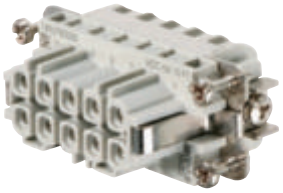


Suitable
Always according to your needs: including a space-saving combination of power and signals in one connector.



HA series

Compact: Our space-saving miracle among the fixed-pole inserts accommodates up to 48 contacts in suitable IP65 housings due to its particularly slim design.



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA**
Inserts	
No. of poles	3, 4, 10, 16, 32, 48
Rated voltage	250 V (400 V - HA3, HA4)
Rated voltage to UL/CSA	600 V
Rated current	16 A
Rated impulse withstand voltage	4 kV
Pollution severity	3 (320 V / 4 kV / 2) (HA10,16, 32, 48)
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V-0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	
Crimp connection	≤ 2 mΩ
Screw connection, Tension clamp connection	≤ 2 mΩ
Contacts/Material	
Sockets and plug-in contact	Copper alloy
Surface	Passivated silver, or gold-plated
Clamping unit/Screw connection	Copper alloy/Passivated silver
Clamping range/Stripping length	
– Crimp connection*	0.5 – 4.0 mm² (AWG 20 – 12) / 7.5 mm
– Screw connection	0.5 – 2.5 mm² (AWG 20 – 14) / 9 mm***
– Tension clamp connection	0.25 – 2.5 mm² (AWG 24 – 14) / 8 mm
– PUSH IN connection	0.14 – 2.5mm² (AWG 26 – 14)
Clamping torque	
– Screw connection	0.5 – 0.55 Nm
SD blades	
– Screw connection	0.6 x 3.5 or PZ0
– Tension clamp connection	0.5 x 3 or 0.6 x 3.5
PE connection	
– Clamping range	0.5 – 2.5 mm²
– solid/stranded	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– AWG conductor	AWG 20 – 14
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

Note: When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

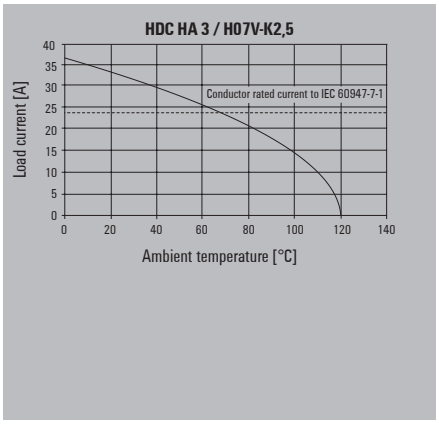
* Crimping with flexible conductors
** For screw and crimp connections
*** Stripping length of 15 mm for the 3- and 4-pole HA

Overview

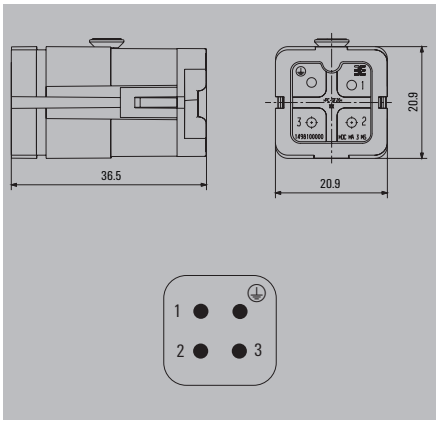
		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		1	400 V	16 A	3 + ⏚		•				B.6
		1	230/400 V	10 A	3 + ⏚					•	B.8
		1	400 V	16 A	4 + ⏚		•				B.10
		1	230/400 V	10 A	4 + ⏚					•	B.12
		2	250 V	16 A	10 + ⏚	•		•	•		B.14
		5	250 V	16 A	16 + ⏚	•		•	•		B.16
		7	250 V	16 A	32 + ⏚	•		•	•		B.18
		9	250 V		48 + ⏚	•		•	•		B.20

400 V, 16A, size 1

3 + ⏚



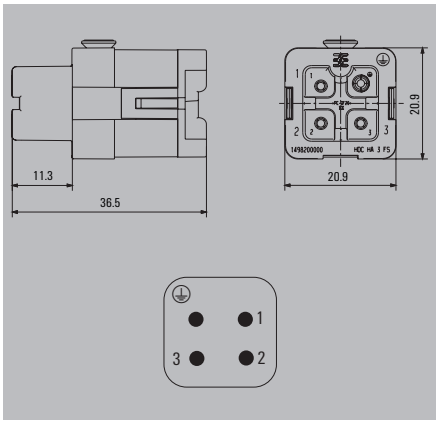
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HA 3 MS	1	1498100000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HA 3 FS	1	1498200000

Installation cut-out

Housing selection RockStar® IP65
Size 1

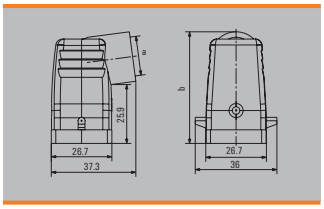
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

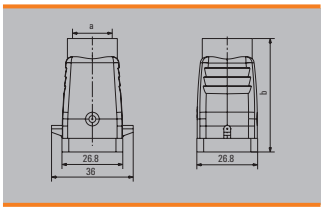
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

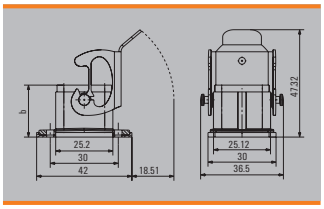


Base

Bulkhead housing

Material: diecast aluminium

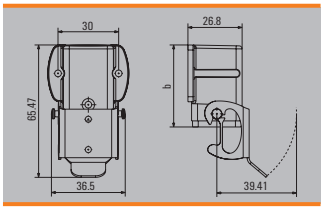
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

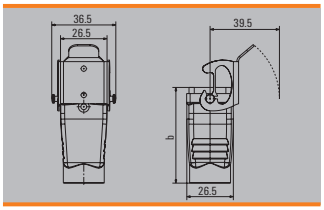
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

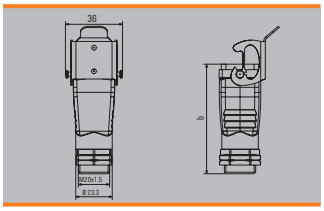
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

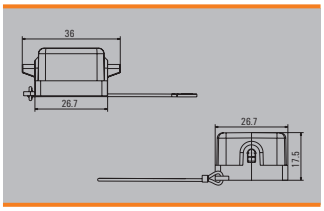
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

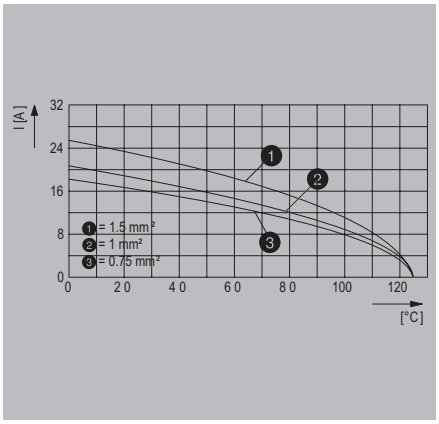
Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000

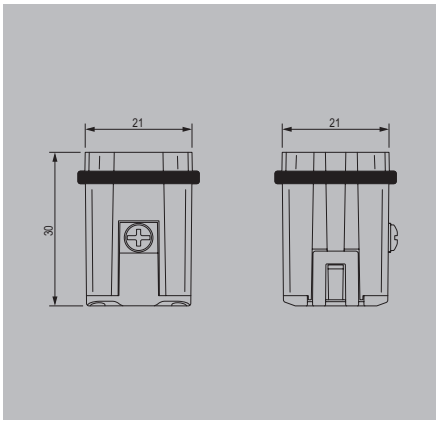


230/400 V, 10 A, size 1

3 + ⏚



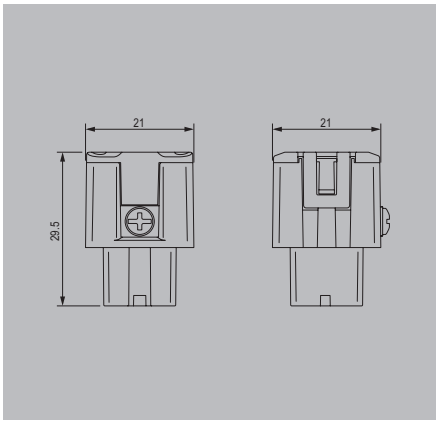
Male



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HA 3 MP	1	2985540000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HA 3 FP	1	2985550000

Installation cut-out

Housing selection RockStar® IP65
Size 1

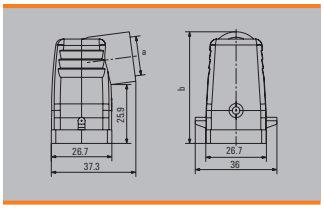
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

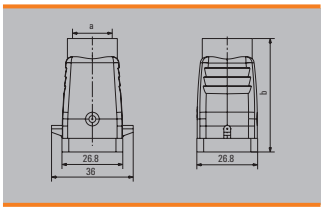
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

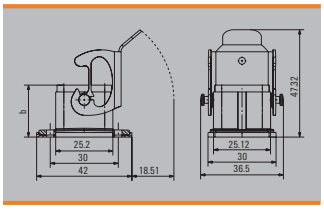


Base

Bulkhead housing

Material: diecast aluminium

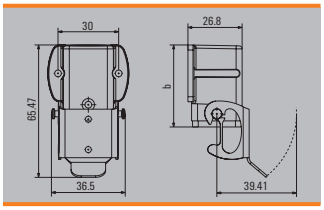
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

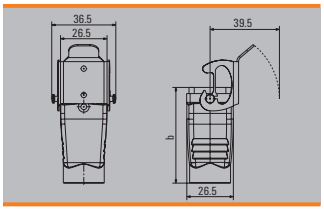
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

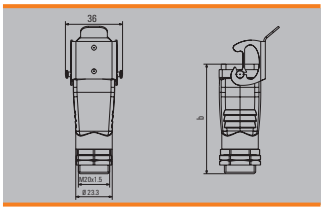
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

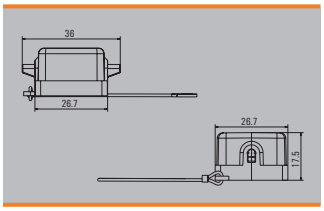
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

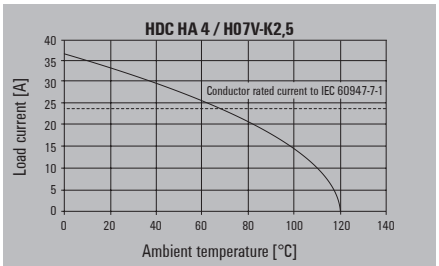
Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000

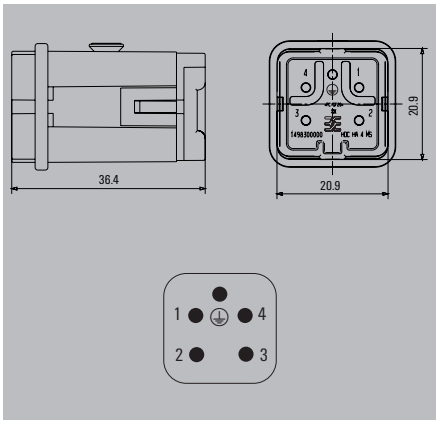


400 V, 16A, size 1

4 + ⏚



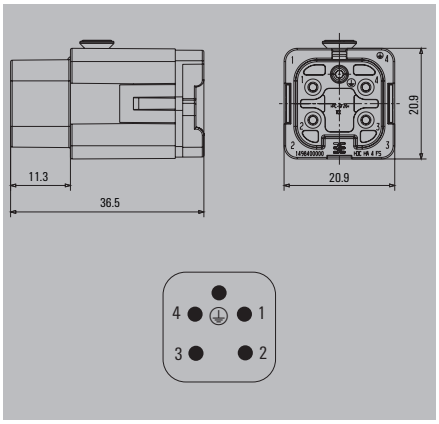
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HA 4 MS	1	1498300000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HA 4 FS	1	1498400000

Installation cut-out

Housing selection RockStar® IP65
Size 1

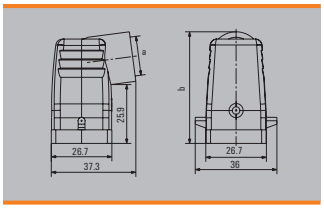
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

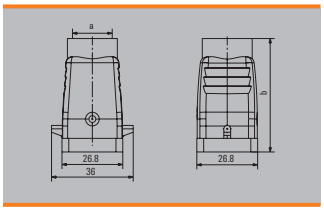
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

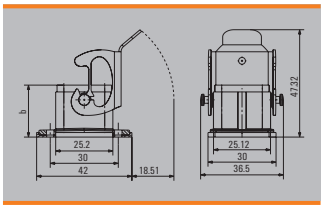


Base

Bulkhead housing

Material: diecast aluminium

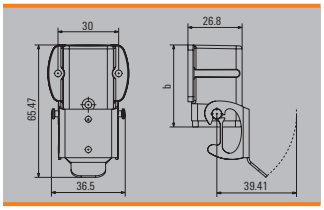
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

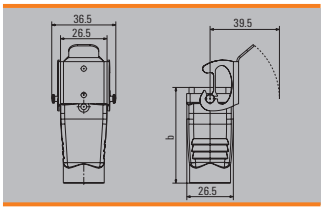
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

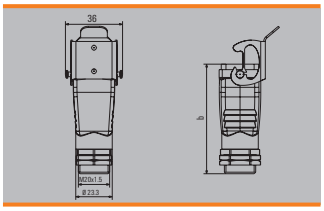
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

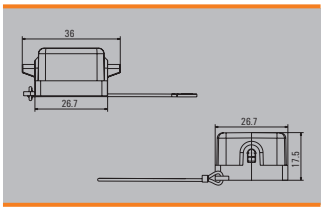
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

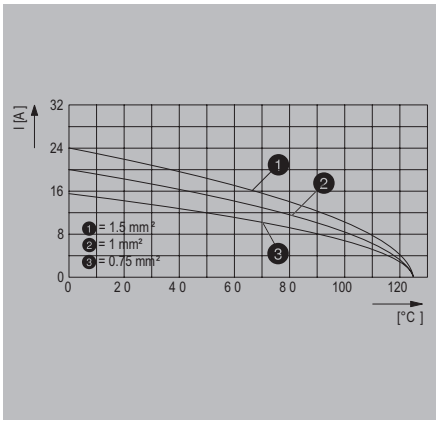
Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000

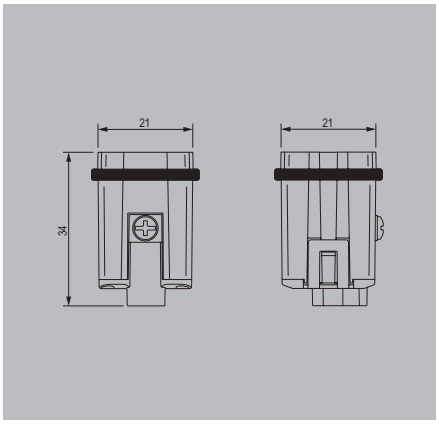


230/400 V, 10 A, size 1

4 + ⏚



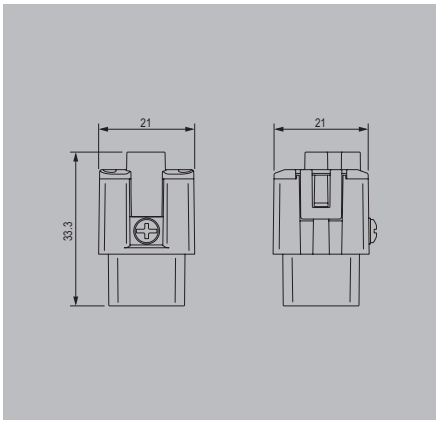
Male



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HA 4 MP	1	2985430000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HA 4 FP	1	2985440000

Installation cut-out

Housing selection RockStar® IP65
Size 1

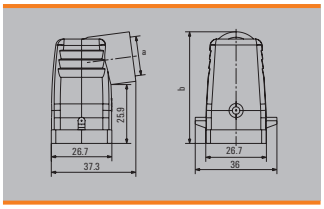
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

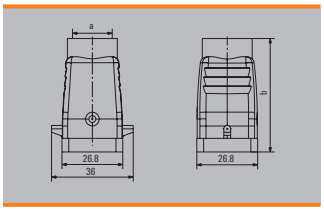
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

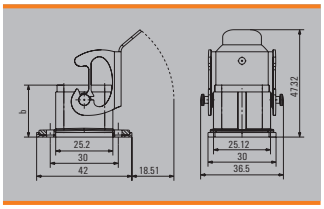


Base

Bulkhead housing

Material: diecast aluminium

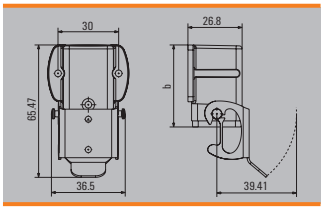
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

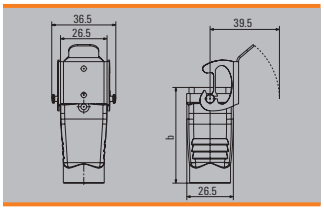
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

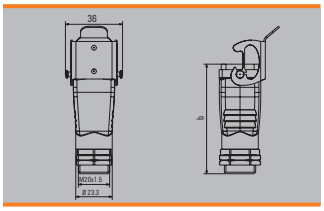
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

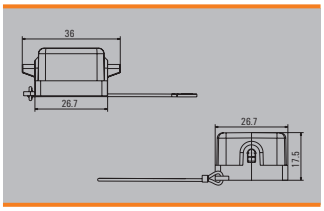
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

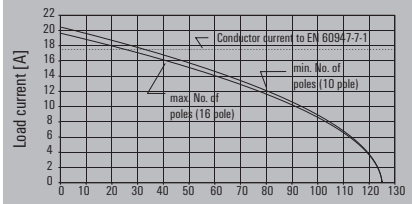
Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000

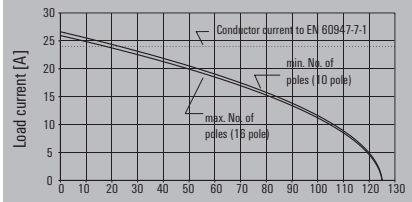


250V, 16 A, size 2

10 + ⏚

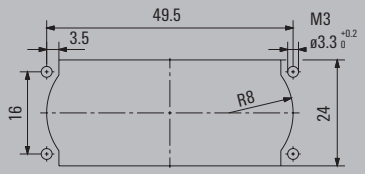


10...48-pole, 1.5 mm² Ambient temperature [°C]

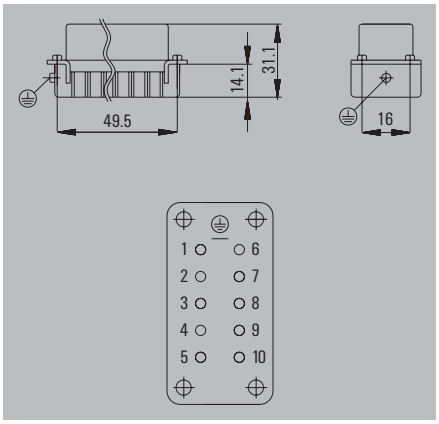


10...48-pole, 2.5 mm² Ambient temperature [°C]

Installation cut-out



Male



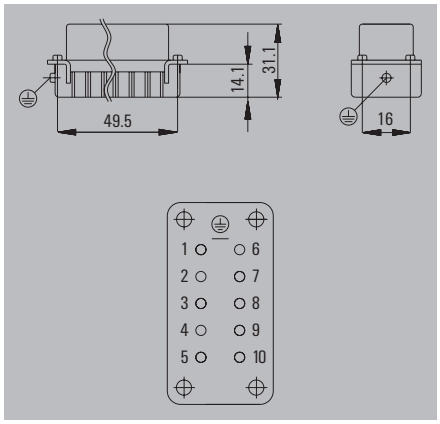
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 10 MT	1	1896790000
Screw connection	HDC HA 10 MS	1	1650610000
PUSH IN	HDC HA 10 MP	1	3124530000
Crimp connection	HDC HA 10 MC	1	1873870000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 10 FT	1	1896780000
Screw connection	HDC HA 10 FS	1	1650620000
PUSH IN	HDC HA 10 FP	1	3124540000
Crimp connection	HDC HA 10 FC	1	1873860000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

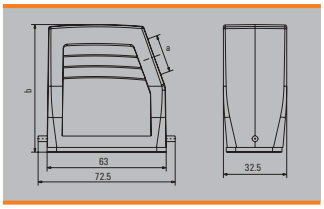
Housing selection RockStar® IP65
Size 2

For additional housings, refer to chapter D for IP65

Hood

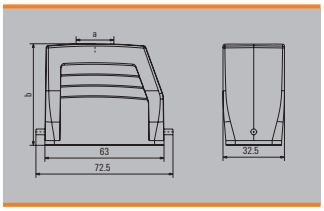
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		68	HDC 15A TSLU 1M20G	1788860000
M 25	w. thread		68	HDC 15A TSLU 1M25G	1788850000



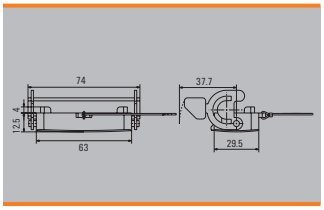
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 10A TOLU 1M20G	1788620000
M 25	w. thread		54	HDC 10A TOLU 1M25G	1788610000



Cover

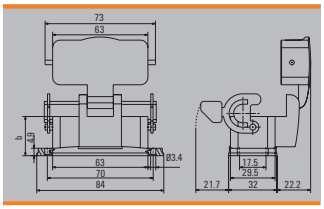
Version	Type	Order No.
For hoods	HDC 10A DODL 1LB	1665890000



Base

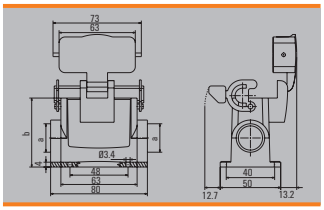
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	26	HDC 10A ALU	1664040000
	End-locking	with cover	26	HDC 10A ADLU	1664060000



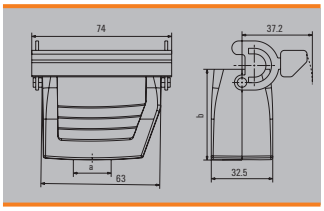
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		57	HDC 10A SLU 2M20G	1788640000
M 20	End-locking	with cover	70	HDC 10A SDLU 2M20G	1788660000
M 25	End-locking		57	HDC 10A SLU 2M25G	1788630000
M 25	End-locking	with cover	70	HDC 10A SDLU 2M25G	1788650000



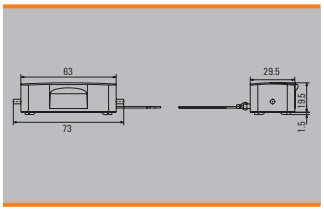
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		48	HDC 10A KLU 1M25G	1788670000



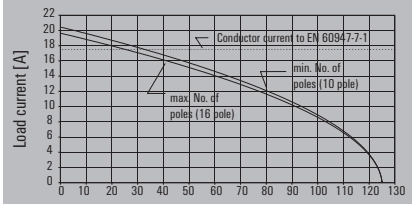
Cover

Version	Type	Order No.
For bases	HDC 10A DMDL 2BO	1665880000

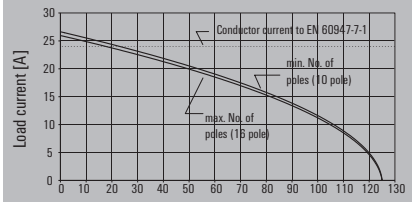


250V, 16 A, size 5

16 + ⏚

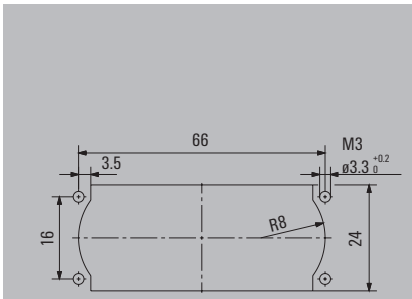


10...48-pole, 1.5 mm² Ambient temperature [°C]

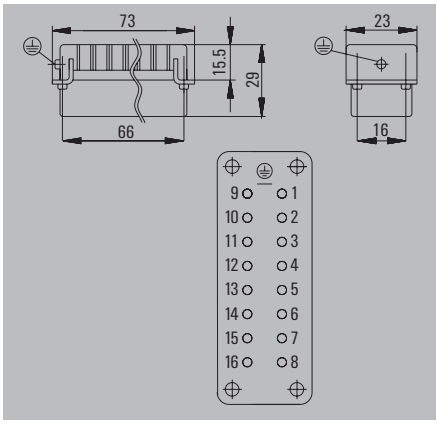


10...48-pole, 2.5 mm² Ambient temperature [°C]

Installation cut-out



Male



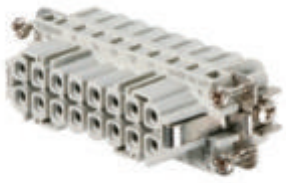
Ordering data

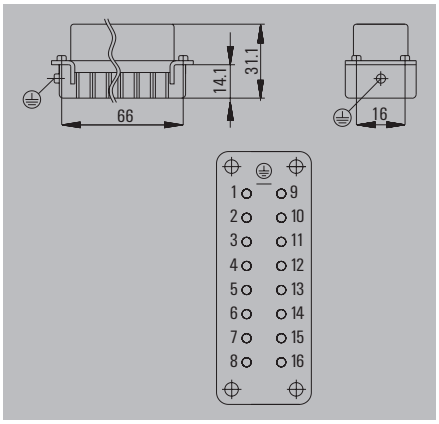
Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 MT	1	1896830000
Screw connection	HDC HA 16 MS	1	1650770000
PUSH IN	HDC HA 16 MP	1	3124550000
Crimp connection	HDC HA 16 MC	1	1873890000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 FT	1	1896800000
Screw connection	HDC HA 16 FS	1	1650780000
PUSH IN	HDC HA 16 FP	1	3124560000
Crimp connection	HDC HA 16 FC	1	1873880000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

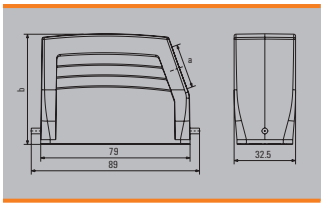
Housing selection RockStar® IP65
Size 5

For additional housings, refer to chapter D for IP65

Hood

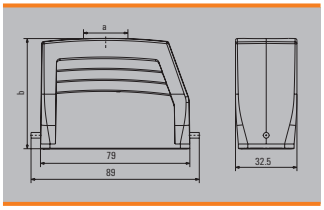
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		72	HDC 25A TSLU 1M20G	1788680000
M 25	w. thread		58	HDC 16A TSLU 1M25G	1788740000
M 25	w. thread		72	HDC 25A TSLU 1M25G	1788690000



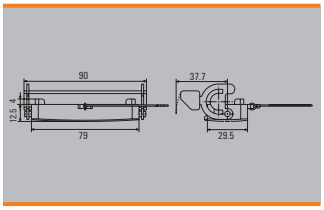
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		72	HDC 25A TOLU 1M20G	1788710000
M 25	w. thread		58	HDC 16A TOLU 1M25G	1788750000
M 25	w. thread		72	HDC 25A TOLU 1M25G	1788700000



Cover

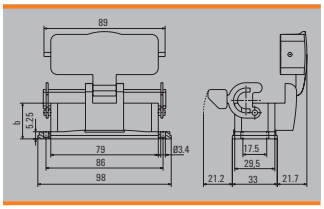
Version	Type	Order No.
For hoods	HDC 16A DODL 1LB	1665900000



Base

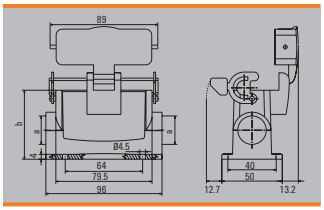
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	26	HDC 16A ALU	1664920000
	End-locking	with cover	26	HDC 16A ADLU	1664940000



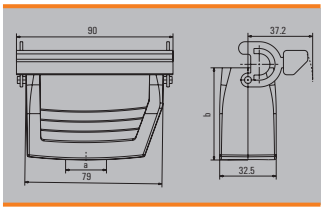
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		57	HDC 16A SLU 2M20G	1788770000
M 20	End-locking	with cover	57	HDC 16A SDLU 2M20G	1788790000
M 25	End-locking		57	HDC 16A SLU 2M25G	1788760000
M 25	End-locking	with cover	57	HDC 16A SDLU 2M25G	1788780000



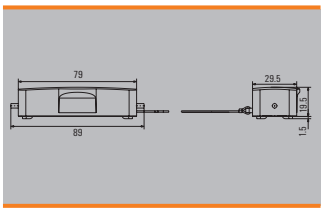
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		53	HDC 16A KLU 1M25G	1788800000



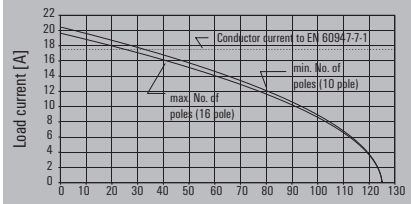
Cover

Version	Type	Order No.
For bases	HDC 16A DMDL 2BO	1665910000

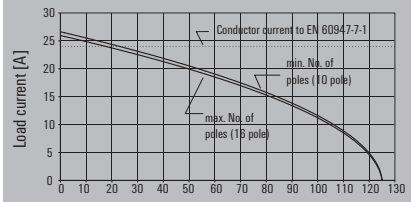


250 V, 16 A, size 7

32 + ⏚

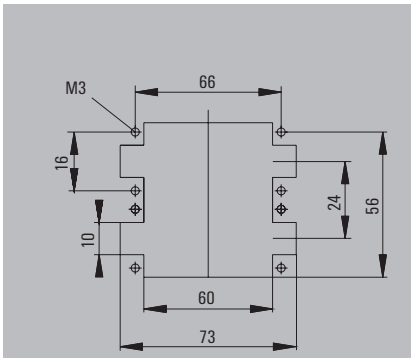


10...48-pole, 1.5 mm² Ambient temperature [°C]

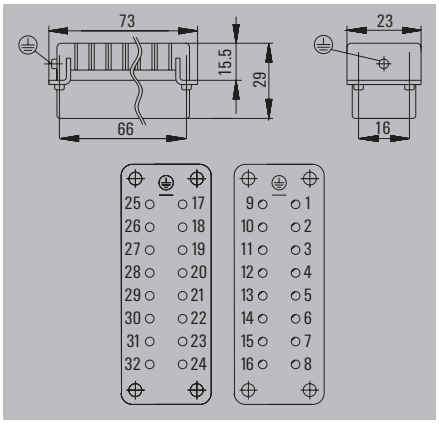


10...48-pole, 2.5 mm² Ambient temperature [°C]

Installation cut-out



Male



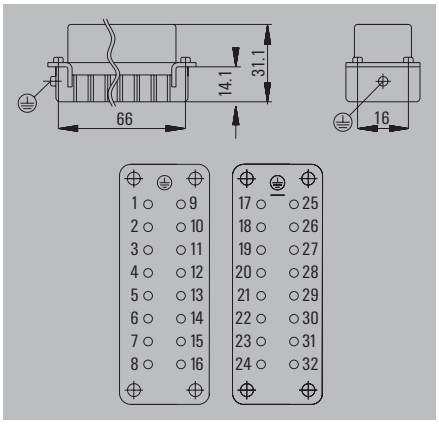
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 MT	1	1896830000
Tension-clamp conn.	HDC HA 16 MT 17-32	1	1896840000
Screw connection	HDC HA 16 MS	1	1650770000
PUSH IN	HDC HA 16 MP	1	3124550000
Screw connection	HDC HA 16 MS 17-32	1	1650880000
PUSH IN	HDC HA 16 MP 17-32	1	3124570000
Crimp connection	HDC HA 16 MC	1	1873890000
Crimp connection	HDC HA 16 MC 17 - 32	1	1875620000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 FT	1	1896800000
Tension-clamp conn.	HDC HA 16 FT 17-32	1	1896810000
Screw connection	HDC HA 16 FS	1	1650780000
PUSH IN	HDC HA 16 FP	1	3124560000
Screw connection	HDC HA 16 FS 17-32	1	1650900000
PUSH IN	HDC HA 16 FP 17-32	1	3124580000
Crimp connection	HDC HA 16 FC	1	1873880000
Crimp connection	HDC HA 16 FC 17 - 32	1	1876040000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

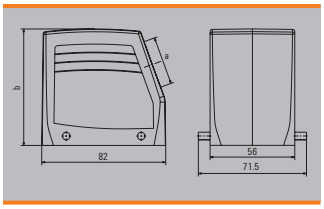
Housing selection RockStar® IP65
Size 7

For additional housings, refer to chapter D for IP65

Hood

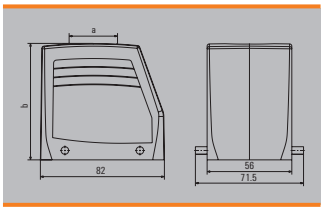
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		77	HDC 32A TSBU 1M25G	1787960000
M 32	w. thread		77	HDC 32A TSBU 1M32G	1787950000



Plug housing, cable entry at top

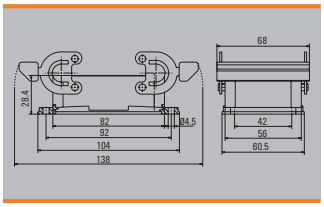
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		77	HDC 32A TOBU 1M32G	1787990000



Base

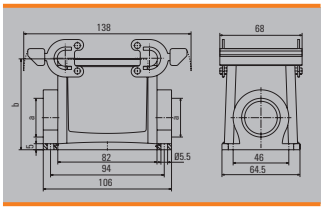
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 32A ABU	1665860000



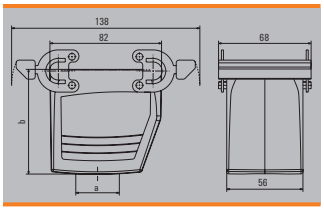
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		75	HDC 32A SBU 2M25G	1788040000

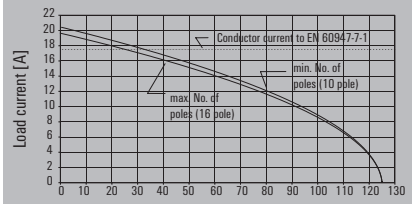


Coupling housing

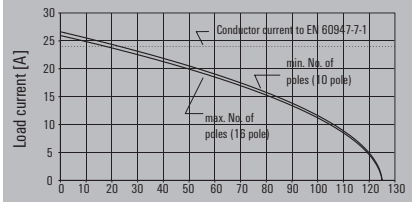
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		77	HDC 32A KBU 1M25G	1788080000
M 32	w. thread		77	HDC 32A KBU 1M32G	1788070000



250 V, 16 A, size 9
48 + ⏚

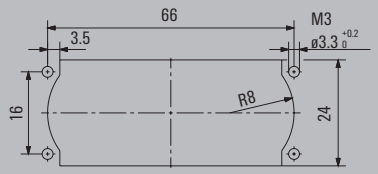


10...48-pole, 1.5 mm² Ambient temperature [°C]

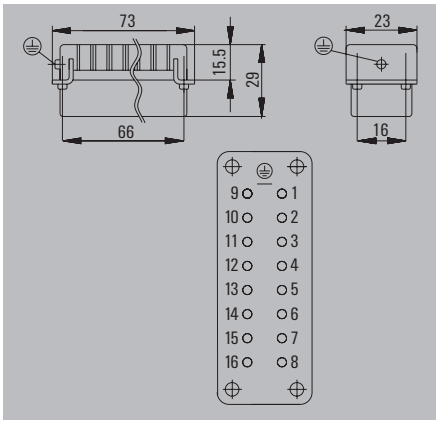


10...48-pole, 2.5 mm² Ambient temperature [°C]

Installation cut-out



Male



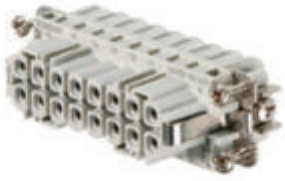
Ordering data

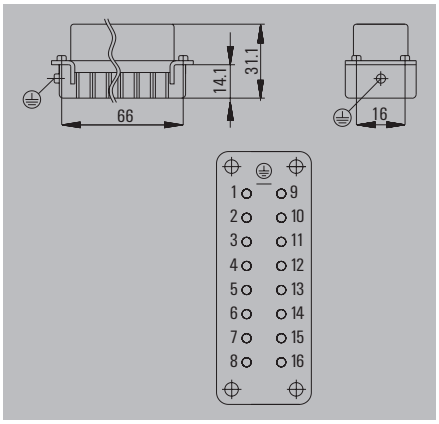
Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 MT	1	1896830000
Tension-clamp conn.	HDC HA 16 MT 17-32	1	1896840000
Tension-clamp conn.	HDC HA 16 MT 33-48	1	1896850000
Screw connection	HDC HA 16 MS	1	1650770000
Screw connection	HDC HA 16 MS 17-32	1	1650880000
Screw connection	HDC HA 16 MS 33-48	1	1650990000
Crimp connection	HDC HA 16 MC	1	1873890000
Crimp connection	HDC HA 16 MC 17 - 32	1	1875620000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HA 16 FT	1	1896800000
Tension-clamp conn.	HDC HA 16 FT 17-32	1	1896810000
Tension-clamp conn.	HDC HA 16 FT 33-48	1	1896820000
Screw connection	HDC HA 16 FS	1	1650780000
Screw connection	HDC HA 16 FS 17-32	1	1650900000
Screw connection	HDC HA 16 FS 33-48	1	1651020000
Crimp connection	HDC HA 16 FC	1	1873880000
Crimp connection	HDC HA 16 FC 17 - 32	1	1876040000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

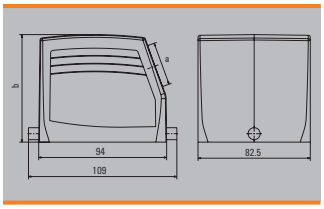
Housing selection RockStar® IP65
Size 9

For additional housings, refer to chapter D for IP65

Hood

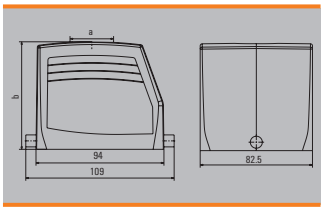
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		78	HDC 48A TSLU 1M32G	1788550000



Plug housing, cable entry at top

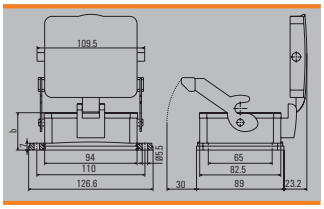
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		78	HDC 48A TOLU 1M32G	1788560000



Base

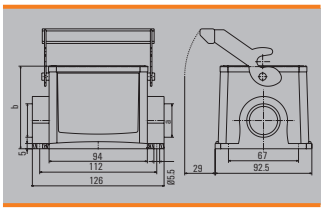
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	40	HDC 48A ALU	1666740000
	End-locking	with cover	40	HDC 48A ADLU	1666750000



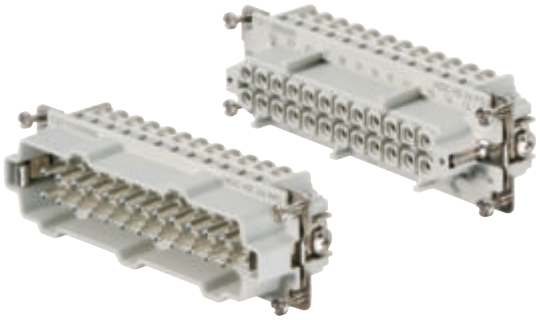
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	End-locking		79	HDC 48A SLU 2M32G	1788570000



HE series

Powerful and convenient: HE/HEE inserts enable efficient signal transmission of up to 48 contacts at maximum 16 A and 500 V. They are also now available with the innovative SNAP IN connector.



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA**, ISO 23570 (DESINA)*
Inserts	
No. of poles	6, 10, 16, 24, 32, 48
Rated voltage	500 V
Rated voltage to UL/CSA	600 V
Rated current	16 A (6 poles 24 A)
Rated impulse withstand voltage	6 kV
Pollution severity	3 (630 V / 6 kV / 2)
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V-0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	≤ 2 mΩ
Contacts/Material	
Contacts	Copper alloy
Surface	Passivated silver, or gold-plated
Clamping range/Stripping length	
– Crimp connection	
– stranded/flexible	0.5 – 4.0 mm² / 0.5 – 4.0 mm² (AWG 20 – 12) / 7.5 mm
– Screw connection	
– solid/stranded	0.5 – 2.5 mm² / 0.5 – 2.5 mm² (AWG 20 – 14) / 9 mm
– flexible/flexible with wire end ferrule	0.5 – 2.5 mm² / 0.5 – 2.5 mm² (AWG 20 – 14) / 9 mm
– Tension clamp connection	
– solid/stranded	0.25...2.5 mm² / (AWG 24...14) / 8 mm
– flexible/flexible with wire end ferrule	0.25...2.5 mm² / (AWG 24...14) / 8 mm
– PUSH IN	
– solid	0.5...4 mm² (AWG 20...12) / 10 mm
– flexible with wire end ferrule without collar	0.5...2.5 mm² (AWG 20...14) / 12 mm
– SnapIn	
– flexible/stranded	1...2.5 mm² (AWG 20...16) / 10
– flexible with wire end ferrule	1...2.5 mm² (AWG 20...16) / 10
Clamping torque	
– Screw connection	0.5 – 0.55 Nm
SD blades	
– Screw connection	0.6 x 3.5 oder PZ0
– PUSH IN	0.4 x 2.5
– Tension clamp connection	0.5 x 3 oder 0.6 x 3.5
– SnapIn	0.6 x 3.5

Note:

* The HE 10 inserts are included in the ISO 23570 as motor terminal connectors.
** For screw, crimp, and PUSH IN connections

Contacts/Material	
PE connection	
– Clamping range	0.5 – 4 mm²
– solid/stranded	0.5 – 4 mm² / 0.5 – 4 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 4 mm² / 0.5 – 4 mm²
– AWG conductor	AWG 20 – 12
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

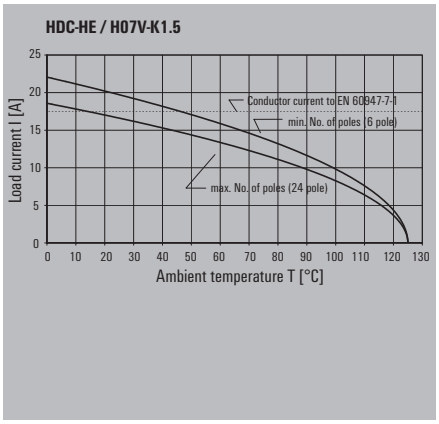
Note:
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!
Inserts with PUSH IN connection can be connected to the H07V-U4 conductor.

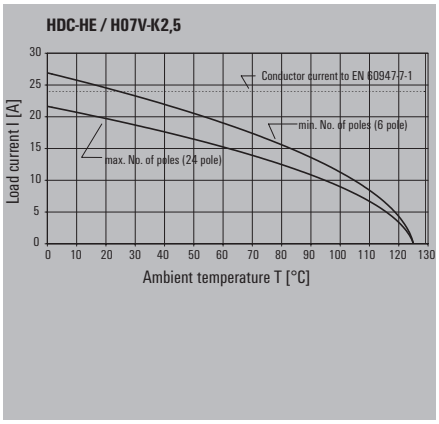
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	SNAP IN connection	Page
		3	500 V	24 A	6 + ⏚	•	•	•	•	•	B.24
		4	500 V	16 A	10 + ⏚	•	•	•	•	•	B.26
		6	500 V	16 A	16 + ⏚	•	•	•	•	•	B.28
		8	500 V	16 A	24 + ⏚	•	•	•	•	•	B.30
		10	500 V	16 A	32 + ⏚	•	•	•	•	•	B.32
		12	500 V	16 A	48 + ⏚	•	•	•	•	•	B.34

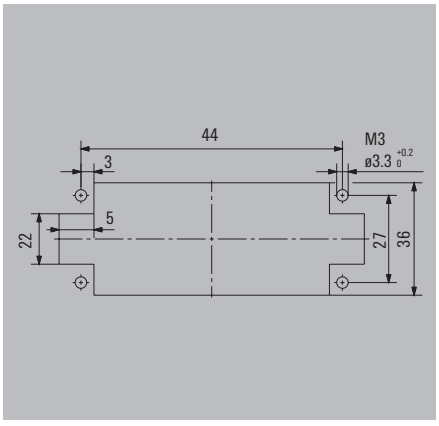
500 V, 24 A, size 3

6 + ⏚

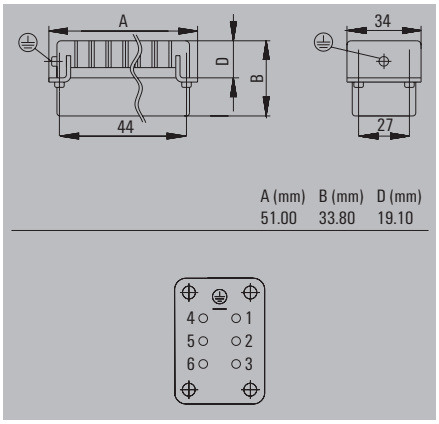




Installation cut-out



Male



A (mm)	B (mm)	D (mm)
51.00	33.80	19.10

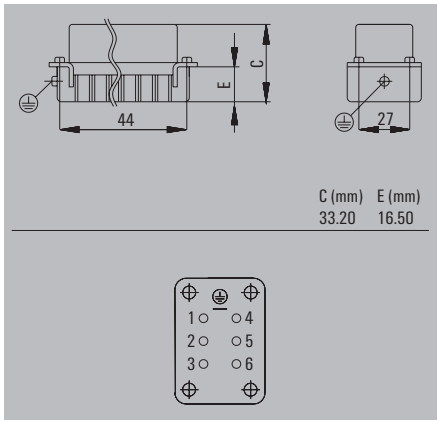
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 6 MT	1	1745820000
Screw connection	HDC HE 6 MS	1	1200000000
PUSH IN	HDC HE 6 MP	1	1873530000
Crimp connection	HDC HE 6 MC	1	1200400000
SNAP IN	HDC HE 06 N MQT	1	2666910000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



C (mm)	E (mm)
33.20	16.50

Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 6 FT	1	1745760000
Screw connection	HDC HE 6 FS	1	1200200000
PUSH IN	HDC HE 6 FP	1	1873520000
Crimp connection	HDC HE 6 FC	1	1201000000
SNAP IN	HDC HE 06 N FQT	1	2666920000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

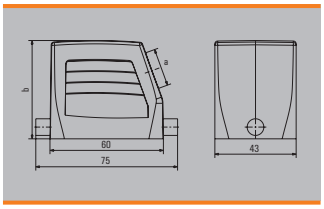
Housing selection RockStar® IP65
Size 3

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

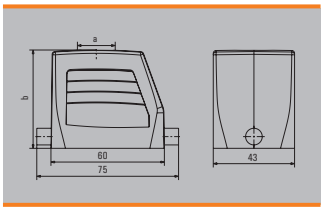
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TSLU 1M20G	1788100000
M 25	w. thread		52	HDC 06B TSLU 1M25G	1788090000
M 25	w. thread		72	HDC 16D TSLU 1M25G	1787480000



Plug housing, cable entry at top

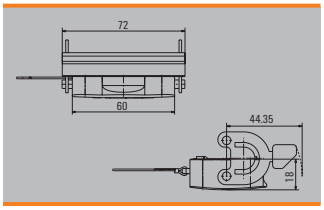
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TOLU 1M20G	1788120000
M 25	w. thread		52	HDC 06B TOLU 1M25G	1788110000
M 25	w. thread		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. thread		72	HDC 16D TOLU 1M32G	1787490000



Cover

Version	Type	Order No.
For hoods	HDC 06B DMDL 1LB	1665210000
For hoods	HDC 06B DMDL 1LB N	2559730000

Note Note: N = Plastic locking lever with stainless steel inlay

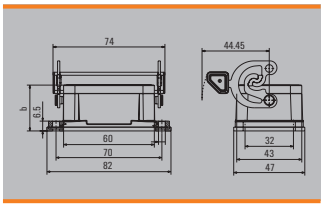


Base

Bulkhead housing

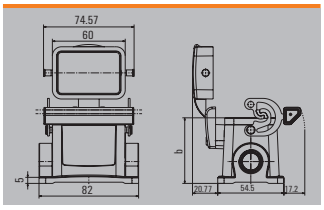
	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	29	HDC 06B ALU	1202100000
	End-locking		29	HDC 06B ALU N	2488560000
	End-locking	with cover	29	HDC 06B ADLU	1202500000
	End-locking	with cover	29	HDC 06B ADLU N	2559320000

Note Note: N = Plastic locking lever with stainless steel inlay



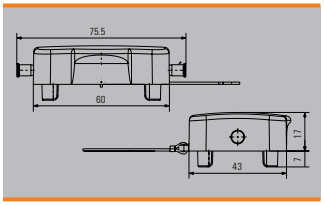
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		54	HDC 06B SLU 1M20G N	2637080000
M 20	End-locking	with cover	54	HDC 06B SDLU 1M20G N	2560720000
M 20	End-locking		54	HDC 06B SLU 2M20G	1788140000
M 20	End-locking	with cover	54	HDC 06B SDLU 2M20G	1788170000
M 25	End-locking		54	HDC 06B SLU 2M25G	1788130000
M 25	End-locking	without cover	54	HDC 06B SLU 2M25G N	2560860000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G	1788160000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G N	2560830000
Note	Note: N = Plastic locking lever with stainless steel inlay				



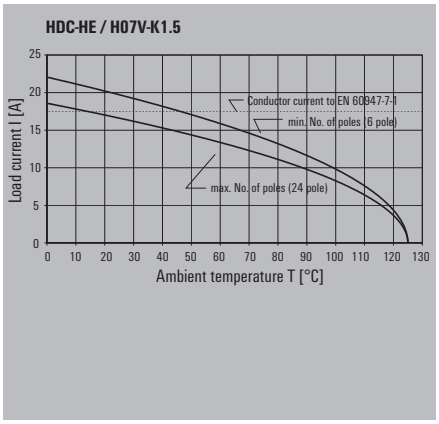
Cover

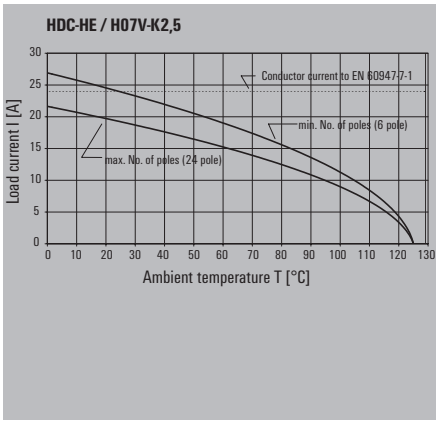
Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000



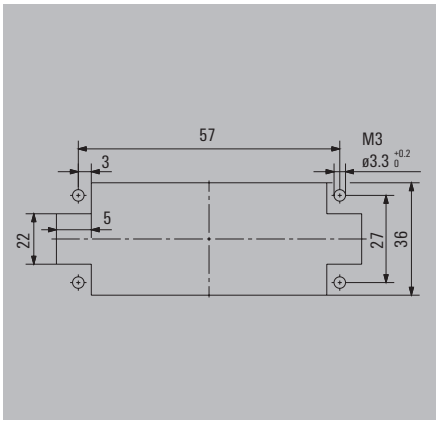
500 V, 16 A, size 4

10 + ⏚

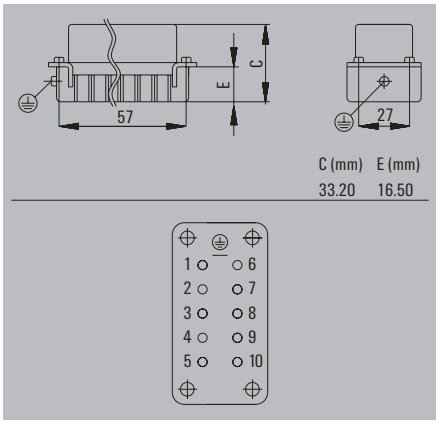




Installation cut-out



Male



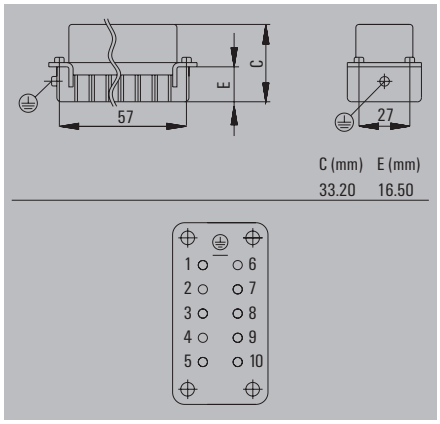
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 10 MT	1	1745830000
Screw connection	HDC HE 10 MS	1	1203900000
PUSH IN	HDC HE 10 MP	1	1873550000
Crimp connection	HDC HE 10 MC	1	1204300000
SNAP IN	HDC HE 10 N MQT	1	2666940000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 10 FT	1	1745770000
Screw connection	HDC HE 10 FS	1	1204100000
PUSH IN	HDC HE 10 FP	1	1873540000
Crimp connection	HDC HE 10 FC	1	1204400000
SNAP IN	HDC HE 10 N FQT	1	2666930000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

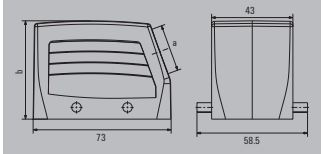
Housing selection RockStar® IP65
Size 4

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

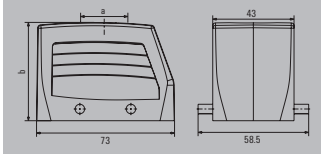
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TSBU 1M20G	1787560000
M 25	w. thread		52	HDC 10B TSBU 1M25G	1787550000
M 25	w. thread		72	HDC 24D TSBU 1M25G	1787240000
M 32	w. thread		72	HDC 24D TSBU 1M32G	1787230000



Plug housing, cable entry at top

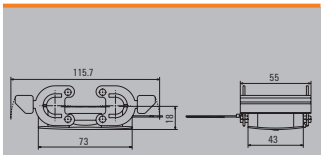
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. thread		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. thread		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. thread		72	HDC 24D TOBU 1M32G	1787290000



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	1665240000
For hoods	HDC 10B DMDQ 2QB N	2559740000

Note Note: N = Plastic locking lever with stainless steel inlay

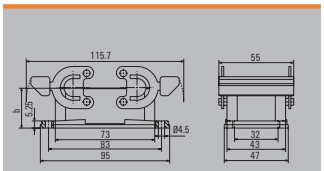


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 10B ABU	1205000000
	Side-locking		30	HDC 10B ABU N	2488580000

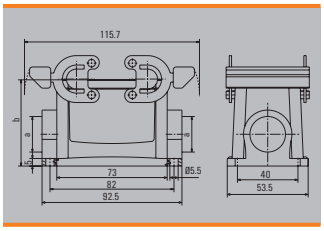
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		57	HDC 10B SBU 1M20G N	2560880000
M 20	Side-locking		57	HDC 10B SBU 2M20G	1787640000
M 20	Side-locking		57	HDC 10B SBU 2M20G N	2560890000
M 25	Side-locking		57	HDC 10B SBU 1M25G N	2560900000
M 25	Side-locking		57	HDC 10B SBU 2M25G	1787630000
M 25	Side-locking		57	HDC 10B SBU 2M25G N	2560910000

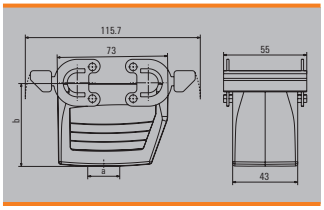
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

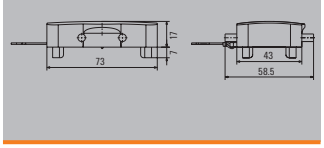
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		55	HDC 10B KBU 1M20G	1787720000
M 20	w. thread		55	HDC 10B KBU 1M20G N	2559860000

Note Note: N = Plastic locking lever with stainless steel inlay



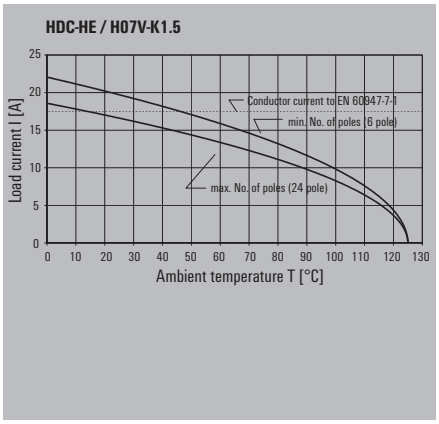
Cover

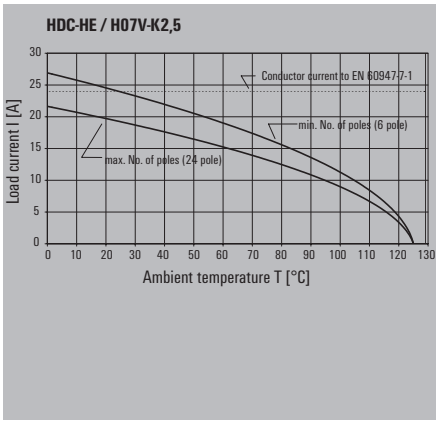
Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000



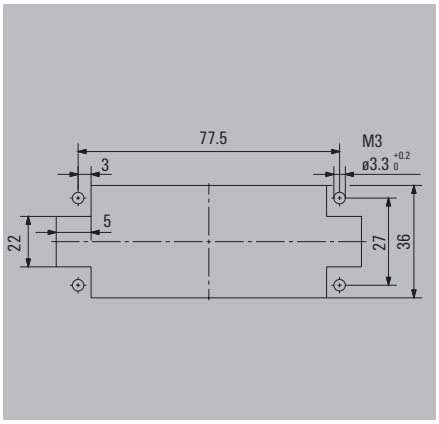
500 V, 16 A, size 6

16 + ⏚

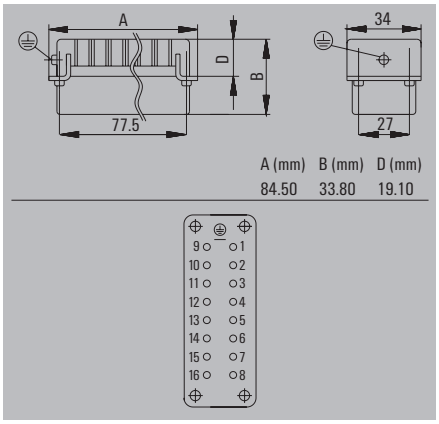




Installation cut-out



Male



A (mm)	B (mm)	D (mm)
84.50	33.80	19.10

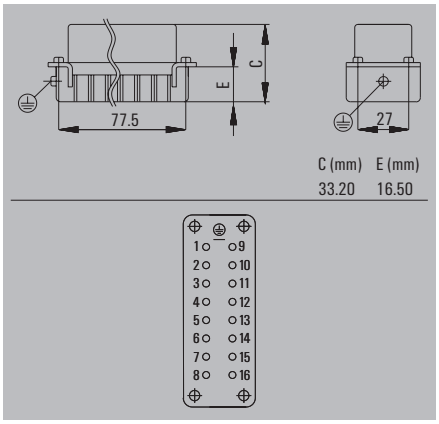
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 16 MT	1	1745840000
Screw connection	HDC HE 16 MS	1	1207500000
PUSH IN	HDC HE 16 MP	1	1873570000
Crimp connection	HDC HE 16 MC	1	1207900000
SNAP IN	HDC HE 16 N MQT	1	2666970000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



C (mm)	E (mm)
33.20	16.50

Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 16 FT	1	1745780000
Screw connection	HDC HE 16 FS	1	1207700000
PUSH IN	HDC HE 16 FP	1	1873560000
Crimp connection	HDC HE 16 FC	1	1208000000
SNAP IN	HDC HE 16 N FQT	1	2666950000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

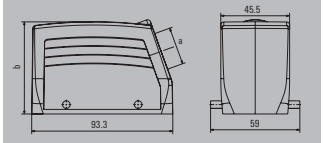
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

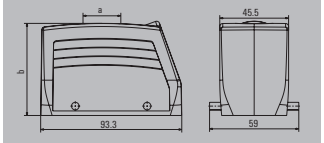
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



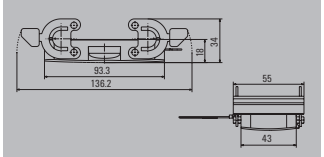
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

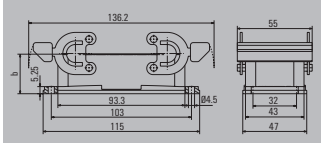


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

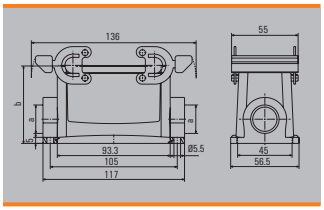
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

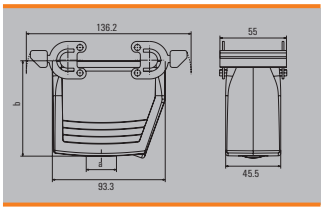
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

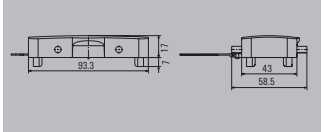
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



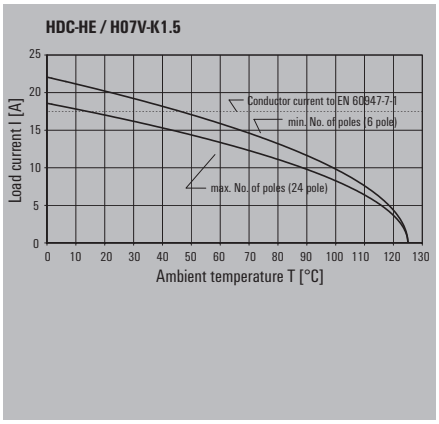
Cover

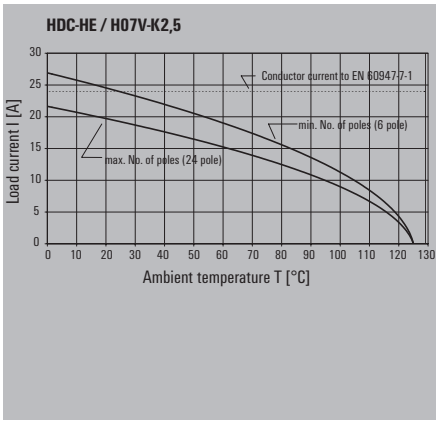
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



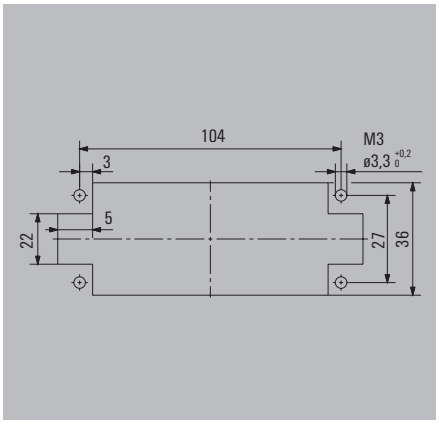
500 V, 16 A, size 8

24 + ⏚

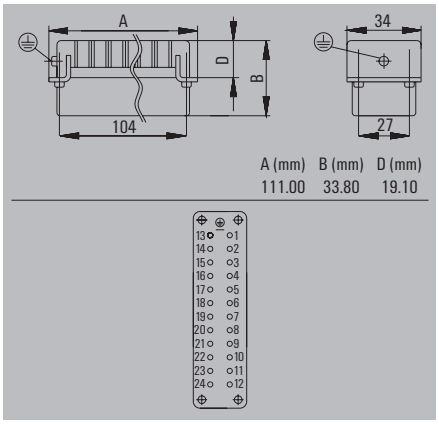




Installation cut-out



Male



A (mm)	B (mm)	D (mm)
111.00	33.80	19.10

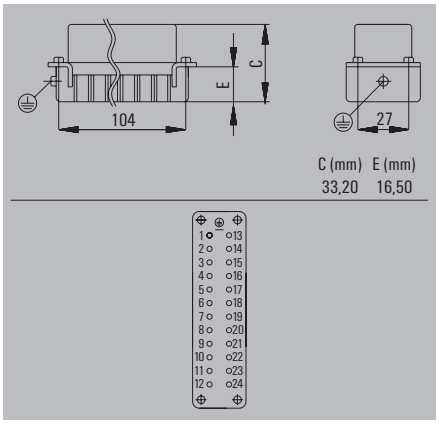
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 24 MT	1	1745850000
Screw connection	HDC HE 24 MS	1	1211100000
PUSH IN	HDC HE 24 MP	1	1873590000
Crimp connection	HDC HE 24 MC	1	1211500000
SNAP IN	HDC HE 24 N MQT	1	2667010000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



C (mm)	E (mm)
33,20	16,50

Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 24 FT	1	1745790000
Screw connection	HDC HE 24 FS	1	1211300000
PUSH IN	HDC HE 24 FP	1	1873580000
Crimp connection	HDC HE 24 FC	1	1211600000
SNAP IN	HDC HE 24 N FQT	1	2666990000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

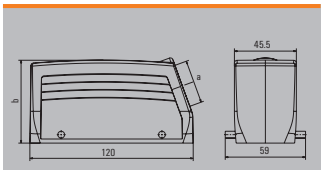
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

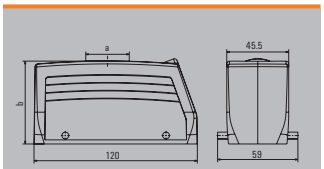
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

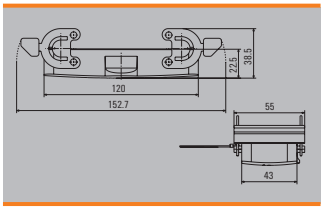
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

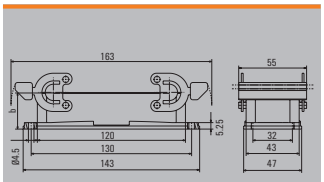


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

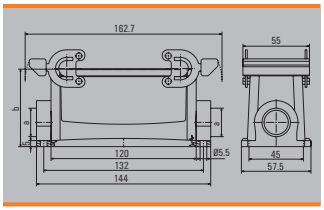
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

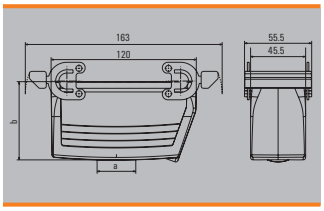
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

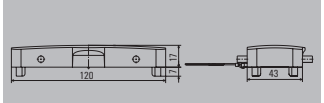
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



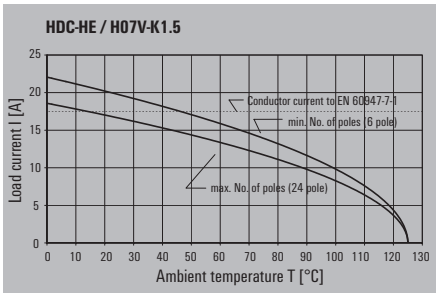
Cover

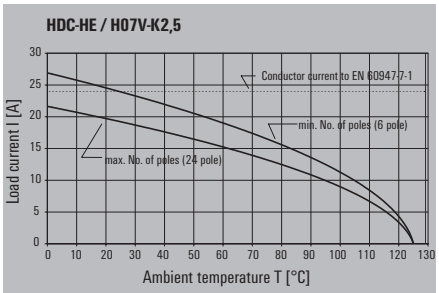
Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



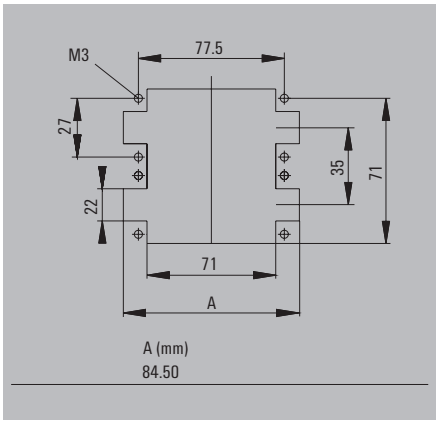
500 V, 16 A, size 10

32 + ⏚



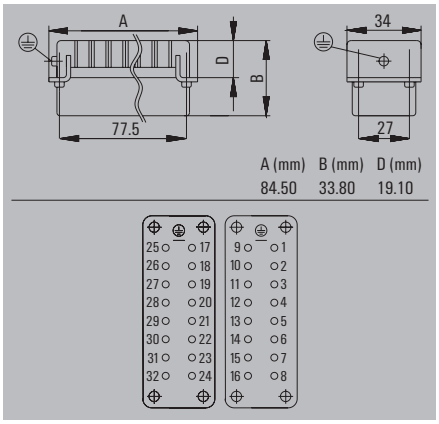


Installation cut-out



A (mm)
84.50

Male



A (mm)	B (mm)	D (mm)
84.50	33.80	19.10

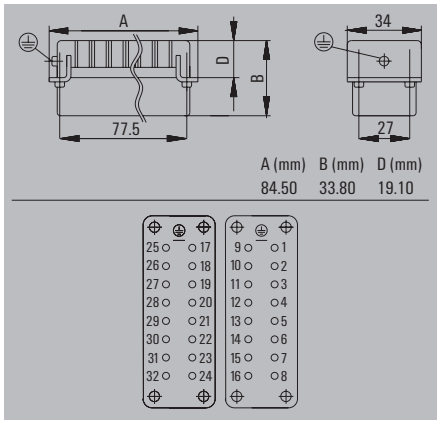
Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 16 MT	1	1745840000
Screw connection	HDC HE 16 MS	1	1207500000
PUSH IN	HDC HE 16 MP	1	1873570000
Crimp connection	HDC HE 16 MC	1	1207900000
SNAP IN	HDC HE 16 N MQT	1	2666970000
Tension-clamp conn.	HDC HE 16 MT 17-32	1	1745860000
Screw connection	HDC HE 16 MS 17-32	1	1215700000
PUSH IN	HDC HE 16 MP 17-32	1	1875800000
Crimp connection	HDC HE 16 MC 17-32	1	1216500000
SNAP IN	HDC HE 16 N MQT 17~32	1	2666980000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



A (mm)	B (mm)	D (mm)
84.50	33.80	19.10

Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 16 FT	1	1745780000
Screw connection	HDC HE 16 FS	1	1207700000
PUSH IN	HDC HE 16 FP	1	1873560000
Crimp connection	HDC HE 16 FC	1	1208000000
SNAP IN	HDC HE 16 N FQT	1	2666950000
Tension-clamp conn.	HDC HE 16 FT 17-32	1	1745800000
Screw connection	HDC HE 16 FS 17-32	1	1216100000
PUSH IN	HDC HE 16 FP 17-32	1	1875740000
Crimp connection	HDC HE 16 FC 17-32	1	1216700000
SNAP IN	HDC HE 16 N FQT 17~32	1	2666960000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

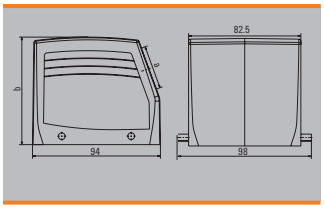
Housing selection RockStar® IP65
Size 10

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

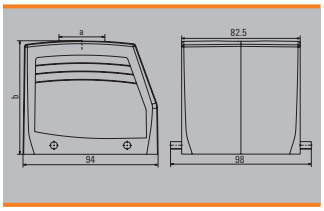
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TSBU 1M32G	1788400000
PG 29	w. thread		79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

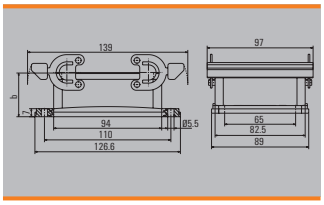
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TOBU 1M32G	1788430000
PG 29	w. thread		79	HDC 32B TOBU 1PG29G	1666870000



Base

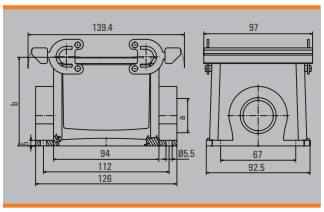
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		38	HDC 32B ABU	1217800000



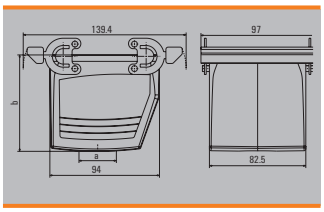
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	Side-locking		79	HDC 32B SBU 1M32G	1902600000
M 32	Side-locking		79	HDC 32B SBU 2M32G	1788460000
M 40	Side-locking		79	HDC 32B SBU 2M40G CS	1301990000
PG 29	Side-locking		79	HDC 32B SBU 2PG29G	1666920000
PG 36	Side-locking		79	HDC 32B SBU 1PG36G	1902610000
PG 36	Side-locking		79	HDC 32B SBU 2PG36G	1902640000



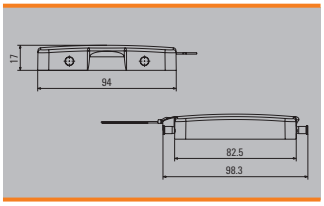
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 40	w. thread		83	HDC 32B KBU 1M40G	1902730000
PG 29	w. thread		83	HDC 32B KBU 1PG29G	1902740000
PG 36	w. thread		83	HDC 32B KBU 1PG36G	1902750000



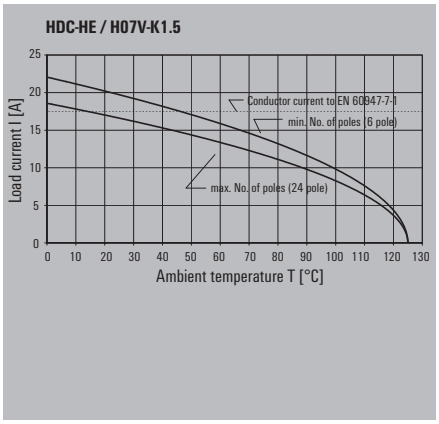
Cover

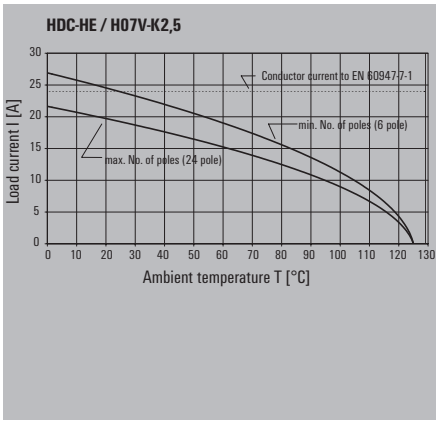
Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000



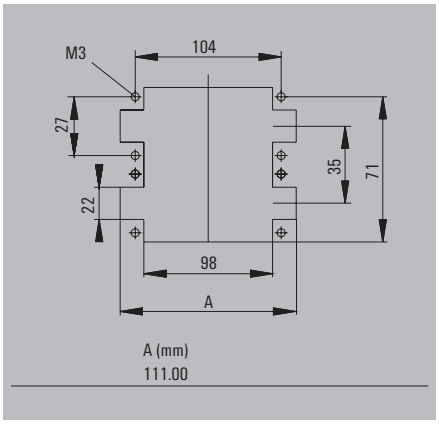
500 V, 16 A, size 12

48 + ⏚



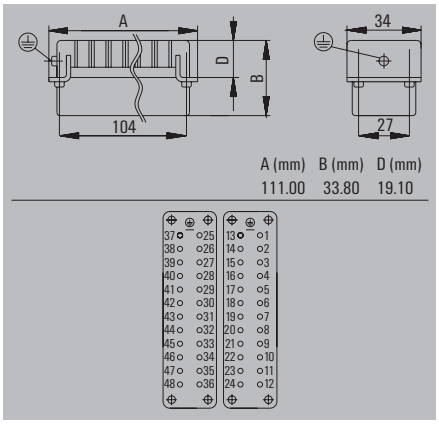


Installation cut-out



A (mm)
111.00

Male



A (mm)	B (mm)	D (mm)
111.00	33.80	19.10

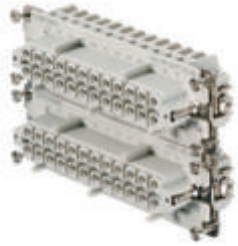
Ordering data

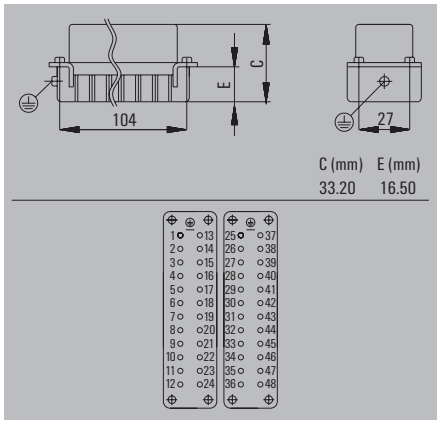
Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 24 MT	1	1745850000
Screw connection	HDC HE 24 MS	1	1211100000
PUSH IN	HDC HE 24 MP	1	1873590000
Crimp connection	HDC HE 24 MC	1	1211500000
SNAP IN	HDC HE 24 N MQT	1	2667010000
Tension-clamp conn.	HDC HE 24 MT 25-48	1	1745870000
Screw connection	HDC HE 24 MS 25-48	1	1220800000
PUSH IN	HDC HE 24 MP 25-48	1	1875890000
Crimp connection	HDC HE 24 MC 25-48	1	1226400000
SNAP IN	HDC HE 24 N MQT 25~48	1	2667020000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female





C (mm)	E (mm)
33.20	16.50

Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HE 24 FT	1	1745790000
Screw connection	HDC HE 24 FS	1	1211300000
PUSH IN	HDC HE 24 FP	1	1873580000
Crimp connection	HDC HE 24 FC	1	1211600000
SNAP IN	HDC HE 24 N FQT	1	2666990000
Tension-clamp conn.	HDC HE 24 FT 25-48	1	1745810000
Screw connection	HDC HE 24 FS 25-48	1	1221200000
PUSH IN	HDC HE 24 FP 25-48	1	1875850000
Crimp connection	HDC HE 24 FC 25-48	1	1226600000
SNAP IN	HDC HE 24 N FQT 25~48	1	2667000000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

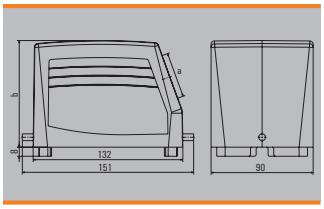
Housing selection RockStar® IP65
Size 12

For additional housings, refer to chapter D for IP65

Hood

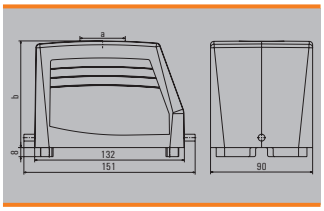
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TSLU 1M32G	1788320000
M 40	w. thread		94	HDC 48B TSLU 1M40G	1788310000
M 50	w. thread		94	HDC 48B TSLU 1M50G	1788300000



Plug housing, cable entry at top

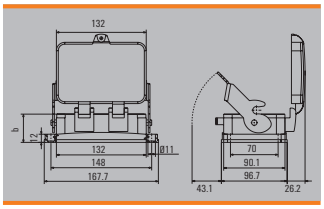
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TOLU 1M32G	1788350000
M 50	w. thread		94	HDC 48B TOLU 1M50G	1788330000



Base

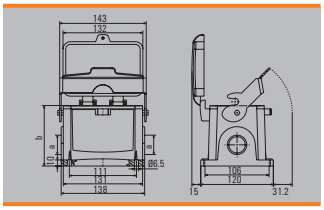
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	with cover	62	HDC 48B ADLU	1222900000



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	End-locking		100	HDC 48B SLU 2M32G	1788370000
M 32	End-locking	with cover	120	HDC 48B SDLU 2M32G	1788390000
M 40	End-locking		100	HDC 48B SLU 2M40G	1788360000



HE EXI series

New technologies pose new challenges. For example increasingly relying on CO2-neutral technologies neutral technologies. One of these new forms of generation is hydrogen production. As this produces explosive gases, it is also necessary to use approved connectors. HDC Rockstar® also offers the right solution here in proven quality.

The heavy-duty connectors were designed for:
- Intrinsically safe circuits
- Approval class: II 2G Ex ib IIC T6 Gb
- Protection class IP65 in mated condition

The following advantages have been incorporated into the development:
- PUSH IN connection technologies for quick assembly
- Temperature range: T6

Technical data

Standards/approvals	
Standards	EXI, following IEC 60079- 11
Approvals	II 2G Ex ib IIC T6 Gb
Inserts	
No. of poles	6, 10, 16, 24
Rated voltage	60 V AC / DC
Rated current	5 A (at 60 °C ambient temperature - T6)
Rated impulse withstand voltage	6 kV
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC
Temperature range	-40 °C to +60 °C
Flammability to UL 94	following UL 94 V-0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	≤ 2 mΩ
Contacts	Copper alloy
Surface	Passivated silver, or gold-plated
Note:	

Contacts/Material	
Clamping range/Stripping length	
– PUSH IN	
– solid	0.5...4 mm² (AWG 20...12) / 10 mm
– flexible with wire end ferrule without collar	0.5...2.5 mm² (AWG 20...14) / 12 mm
SD blades	
– PUSH IN	0.4 x 2.5
PE connection	
– Clamping range	0.5 – 4 mm²
– solid/stranded	0.5 – 4 mm² / 0.5 – 4 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 4 mm² / 0.5 – 4 mm²
– AWG conductor	AWG 20 – 12
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

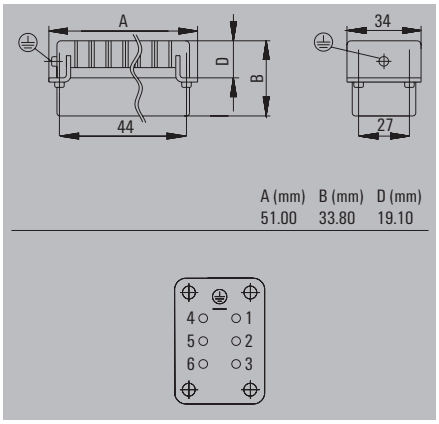
Note: When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!
Inserts with PUSH IN connection can be connected to the H07V-U4 conductor.

Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	SNAP IN connection	Page
		3	60 V	5 A	6 + ⏚				•		B.38
		4	60 V	5 A	10 + ⏚				•		B.40
		6	60 V	5 A	16 + ⏚				•		B.42
		8	60 V	5 A	24 + ⏚				•		B.44

60 V, 5 A, size 3
6 + ⏚

Male

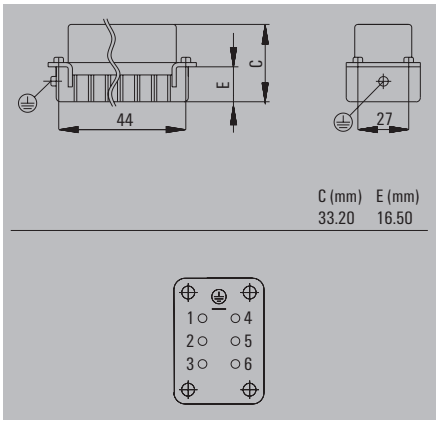


A (mm)	B (mm)	D (mm)
51.00	33.80	19.10

Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 6 MP EXI	1	3001200000

Female

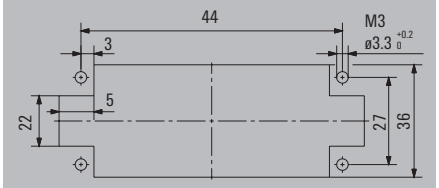


C (mm)	E (mm)
33.20	16.50

Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 6 FP EXI	1	3001190000

Installation cut-out

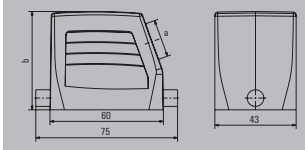


Selection of Housings RockStar® IP65
Size 3

Hood

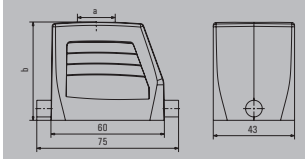
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TSLU 1M20G EXI	**3001350000**



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TOLU 1M20G EXI	**3001360000**



Cable Glands

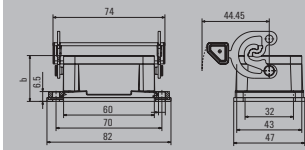
a	Version	Cover	b (mm)	Type	Order No.
				VG M20 EXI 7-13 CR7J G4	**2722250000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com

Base

Bulkhead housing

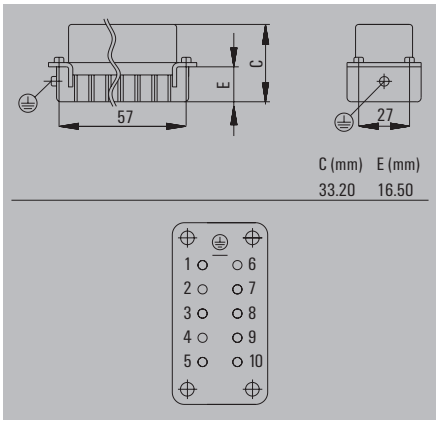
	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	29.3	HDC 06B ALU EXI	**3001300000**



60 V, 5 A, size 4

10 + ⏚

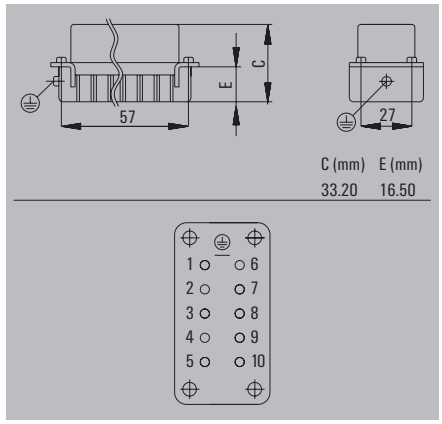
Male



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 10 MP EXI	1	3001230000

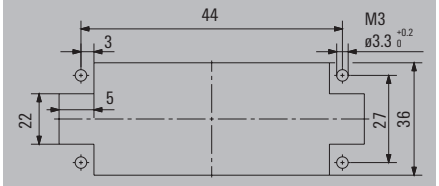
Female



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 10 FP EXI	1	3001220000

Installation cut-out

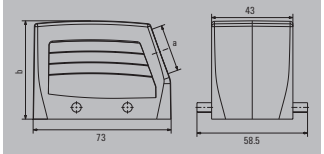


Selection of Housings RockStar® IP65
Size 4

Hood

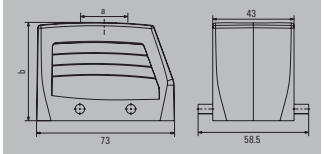
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		52	HDC 10B TSBU 1M25G EXI	**3001370000**



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		52	HDC 10B TOBU 1M25G EXI	**3001390000**



Cable Glands

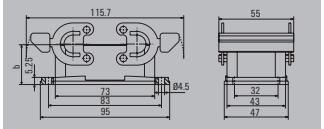
a	Version	Cover	b (mm)	Type	Order No.
				VG M25 EXI 12-17 CR7J G4	**2722270000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com

Base

Bulkhead housing

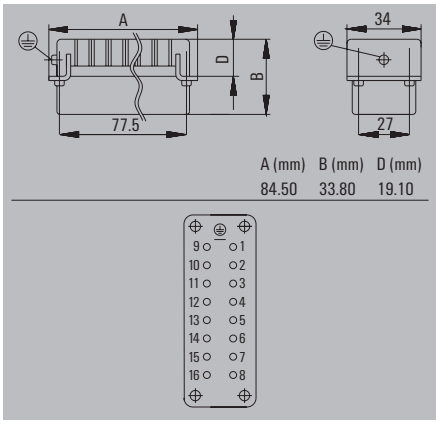
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 10B ABU EXI	**3001310000**



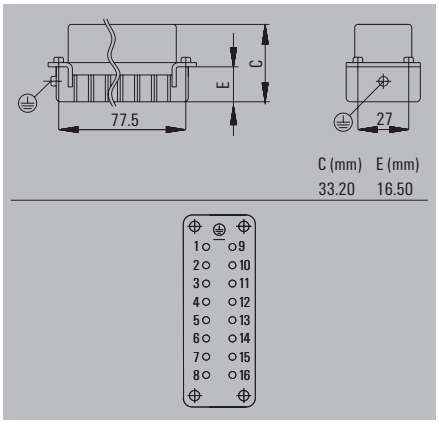
60 V, 5 A, size 6

16 + ⏚

Male



Female



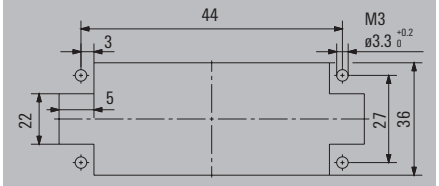
Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 16 MP EXI	1	3001250000

Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 16 FP EXI	1	3001240000

Installation cut-out

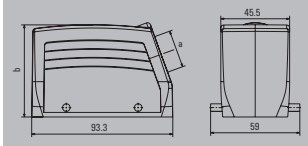


Selection of Housings RockStar® IP65
Size 6

Hood

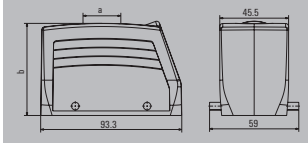
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G EXI	**3001400000**



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G EXI	**3001440000**



Cable Glands

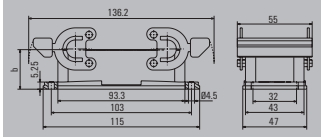
a	Version	Cover	b (mm)	Type	Order No.
				VG M25 EXI 12-17 CR7J G4	**2722270000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com

Base

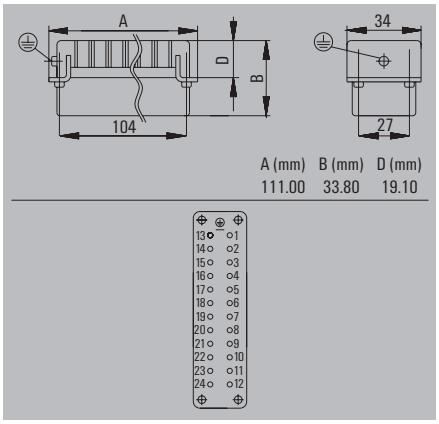
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU EXI	**3001320000**



60 V, 5 A, size 8
24 + ⏚

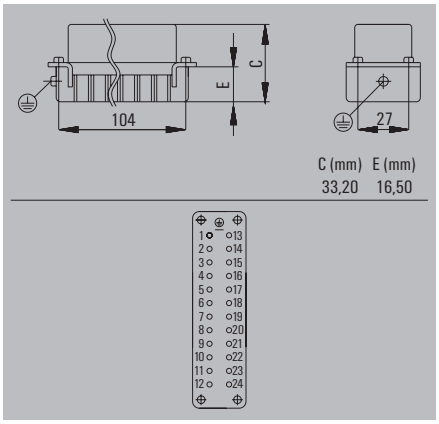
Male



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 24 MP EXI	1	3001280000

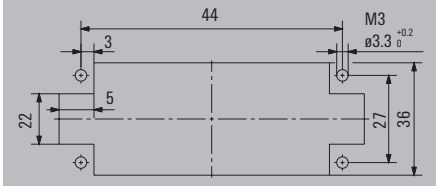
Female



Ordering data

Type of connection	Type	Qty.	Order No.
PUSH IN	HDC HE 24 FP EXI	1	3001270000

Installation cut-out

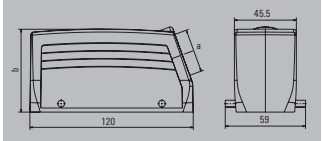


Selection of Housings RockStar® IP65
Size 8

Hood

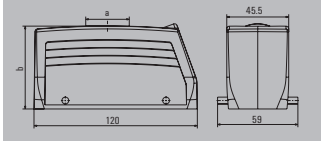
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		62.58	HDC 24B TSBU 1M25G EXI	**3001460000**



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		62.58	HDC 24B TOBU 1M25G EXI	**3001520000**



Cable Glands

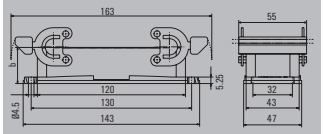
a	Version	Cover	b (mm)	Type	Order No.
				VG M25 EXI 12-17 CR7J G4	**2722270000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com

Base

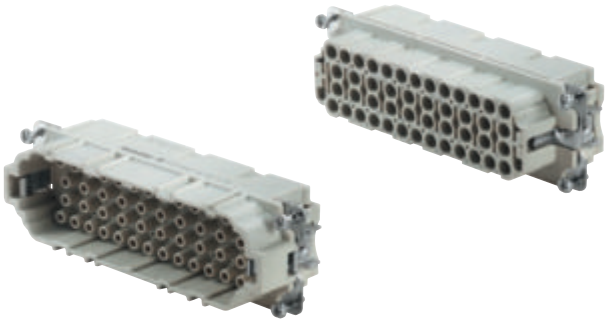
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU EXI	**3001330000**



HEE series

Powerful and convenient: HE/HEE inserts enable efficient signal transmission of up to 64 contacts at maximum 16 A and 500 V



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA
Inserts	
No. of poles	10, 18, 32, 46, 64 (+ PE)
Rated voltage	500 V
Rated voltage to UL/CSA	600 V
Rated current	16 A
Rated impulse withstand voltage	6 kV
Pollution severity	3 (630 V / 6 kV / 2)
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V – 0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	
Crimp connection	≤ 2 mΩ
Contacts/Material	
Contacts	Copper alloy
Surface	Passivated silver, or gold-plated
Crimp connection	
– Flexible conductor connection	0.5 – 4 mm² (AWG 20 – 12)
– Stripping length	7.5 mm
PE connection	
– Clamping range	0.5 – 4 mm²
– solid/stranded	0.5 – 4 mm² / 0.5 – 4 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 4 mm² / 0.5 – 4 mm²
– AWG conductor	AWG 20 – 12
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

Note:

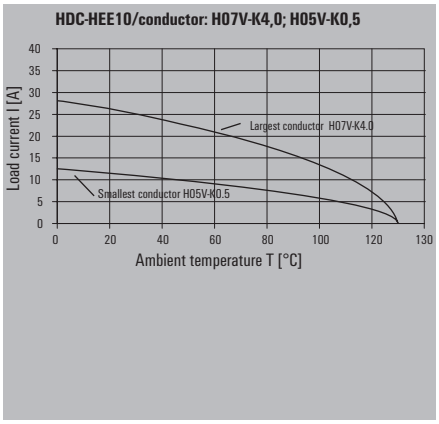
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

Overview

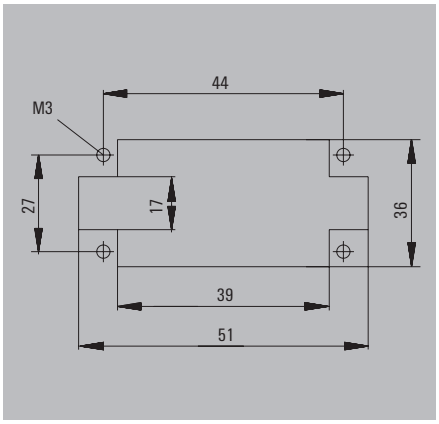
		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		3	500 V	16 A	10 + ⏚				•	•	B.48
		4	500 V	16 A	18 + ⏚				•	•	B.50
		6	500 V	16 A	32 + ⏚				•	•	B.52
		8	500 V	16 A	46 + ⏚				•	•	B.54
		10	500 V	16 A	64 + ⏚				•	•	B.56

500 V, 16 A, size 3

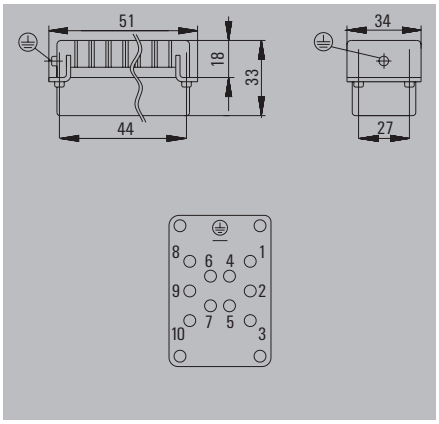
10 + ⏚



Installation cut-out



Male



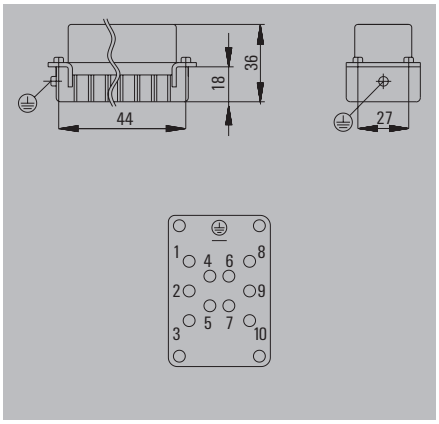
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 10 MC	1	1826830000
PUSH IN	HDC HEE 10 MP	1	3125050000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 10 FC	1	1826840000
PUSH IN	HDC HEE 10 FP	1	3125060000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

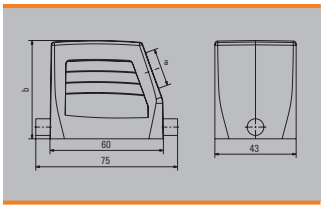
Housing selection RockStar® IP65
Size 3

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

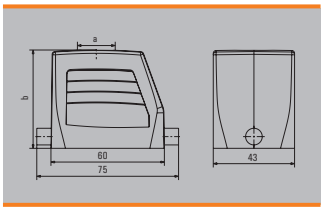
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TSLU 1M20G	1788100000
M 25	w. thread		52	HDC 06B TSLU 1M25G	1788090000
M 25	w. thread		72	HDC 16D TSLU 1M25G	1787480000



Plug housing, cable entry at top

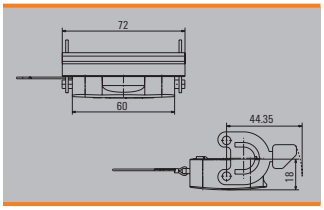
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TOLU 1M20G	1788120000
M 25	w. thread		52	HDC 06B TOLU 1M25G	1788110000
M 25	w. thread		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. thread		72	HDC 16D TOLU 1M32G	1787490000



Cover

Version	Type	Order No.
For hoods	HDC 06B DMDL 1LB	1665210000
For hoods	HDC 06B DMDL 1LB N	2559730000

Note Note: N = Plastic locking lever with stainless steel inlay

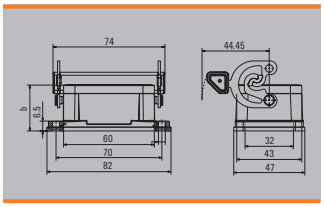


Base

Bulkhead housing

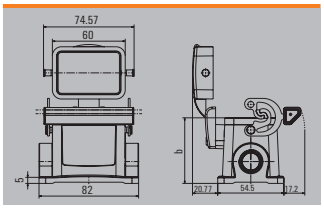
	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	29	HDC 06B ALU	1202100000
	End-locking		29	HDC 06B ALU N	2488560000
	End-locking	with cover	29	HDC 06B ADLU	1202500000
	End-locking	with cover	29	HDC 06B ADLU N	2559320000

Note Note: N = Plastic locking lever with stainless steel inlay



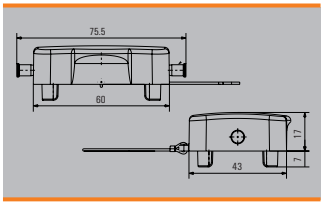
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		54	HDC 06B SLU 1M20G N	2637080000
M 20	End-locking	with cover	54	HDC 06B SDLU 1M20G N	2560720000
M 20	End-locking		54	HDC 06B SLU 2M20G	1788140000
M 20	End-locking	with cover	54	HDC 06B SDLU 2M20G	1788170000
M 25	End-locking		54	HDC 06B SLU 2M25G	1788130000
M 25	End-locking	without cover	54	HDC 06B SLU 2M25G N	2560860000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G	1788160000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G N	2560830000
Note	Note: N = Plastic locking lever with stainless steel inlay				



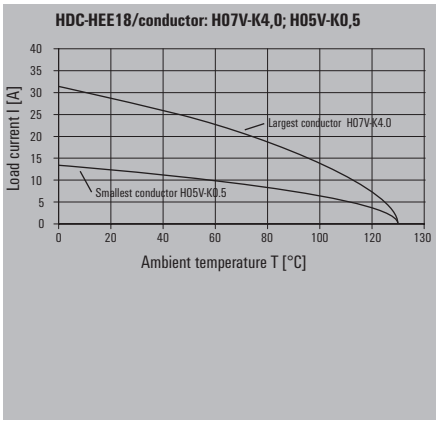
Cover

Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000

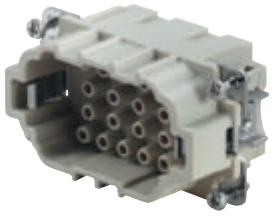


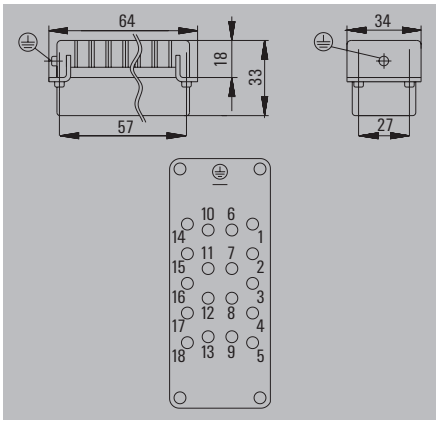
500V, 16 A, size 4

18 + ⏚



Male





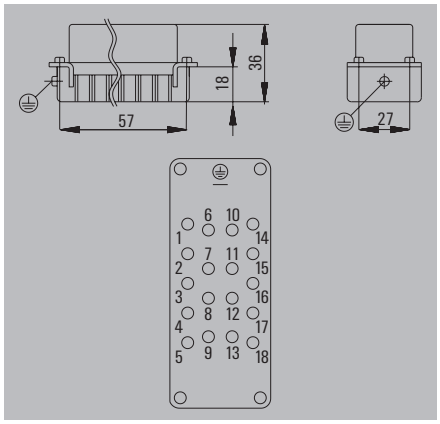
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 18 MC	1	1826810000
PUSH IN	HDC HEE 18 MP	1	3023920000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



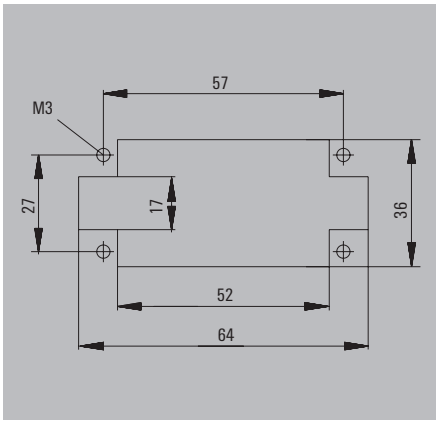
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 18 FC	1	1826820000
PUSH IN	HDC HEE 18 FP	1	3023940000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Installation cut-out



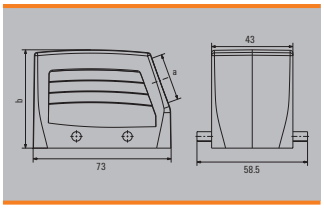
Housing selection RockStar® IP65
Size 4

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

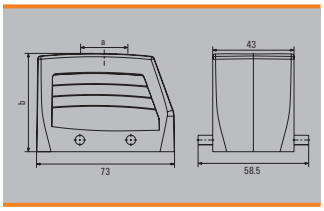
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TSBU 1M20G	1787560000
M 25	w. thread		52	HDC 10B TSBU 1M25G	1787550000
M 25	w. thread		72	HDC 24D TSBU 1M25G	1787240000
M 32	w. thread		72	HDC 24D TSBU 1M32G	1787230000



Plug housing, cable entry at top

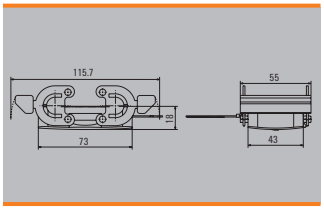
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. thread		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. thread		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. thread		72	HDC 24D TOBU 1M32G	1787290000



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	1665240000
For hoods	HDC 10B DMDQ 2QB N	2559740000

Note Note: N = Plastic locking lever with stainless steel inlay

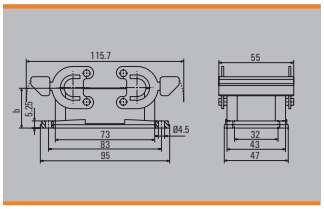


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 10B ABU	1205000000
	Side-locking		30	HDC 10B ABU N	2488580000

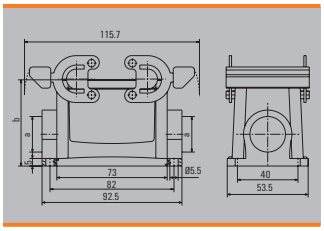
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		57	HDC 10B SBU 1M20G N	2560880000
M 20	Side-locking		57	HDC 10B SBU 2M20G	1787640000
M 20	Side-locking		57	HDC 10B SBU 2M20G N	2560890000
M 25	Side-locking		57	HDC 10B SBU 1M25G N	2560900000
M 25	Side-locking		57	HDC 10B SBU 2M25G	1787630000
M 25	Side-locking		57	HDC 10B SBU 2M25G N	2560910000

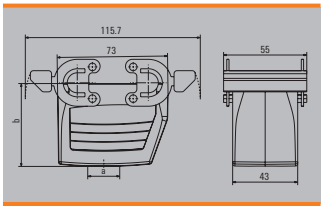
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

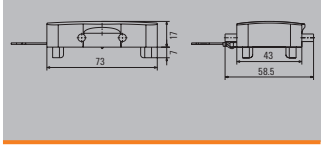
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		55	HDC 10B KBU 1M20G	1787720000
M 20	w. thread		55	HDC 10B KBU 1M20G N	2559860000

Note Note: N = Plastic locking lever with stainless steel inlay



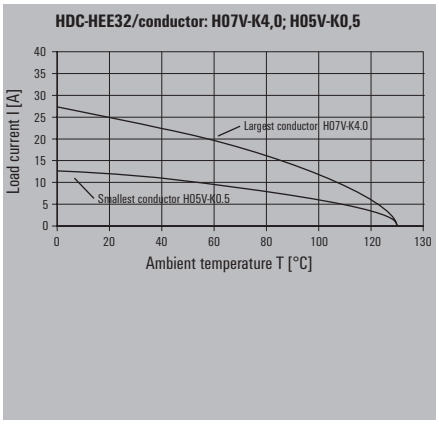
Cover

Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000

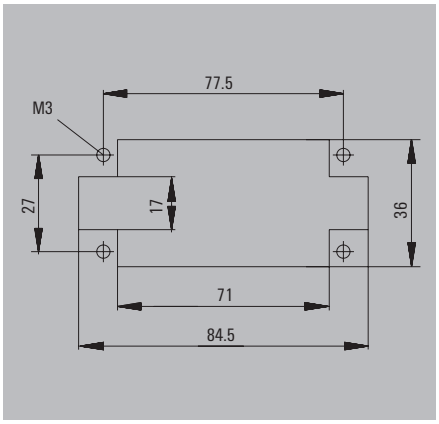


500 V, 16 A, size 6

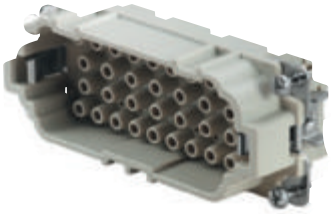
32 + ⏚

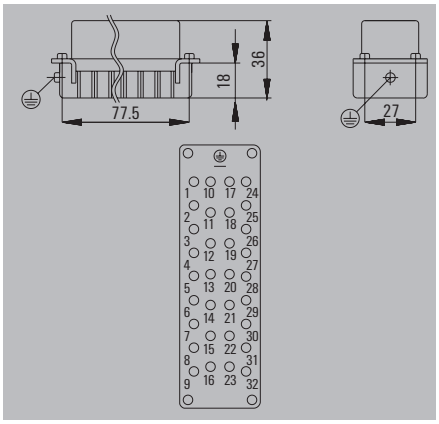


Installation cut-out



Male





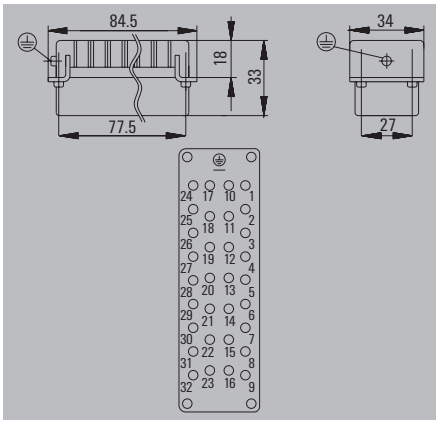
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 32 MC	1	1826790000
PUSH IN	HDC HEE 32 MP	1	3023950000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 32 FC	1	1826800000
PUSH IN	HDC HEE 32 FP	1	3023910000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

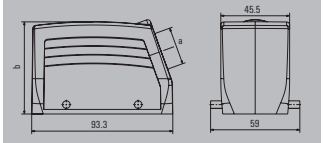
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

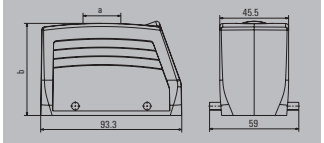
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



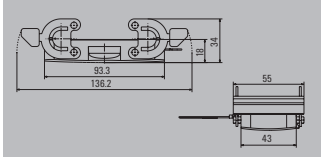
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

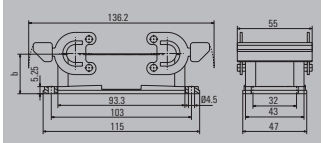


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

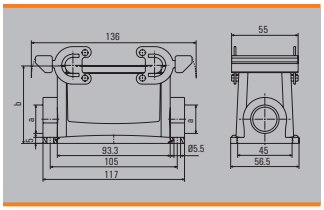
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

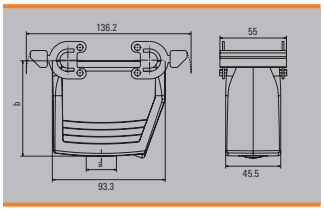
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

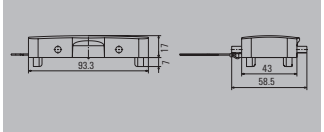
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay

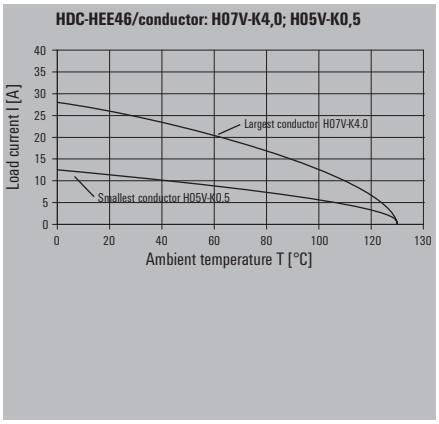


Cover

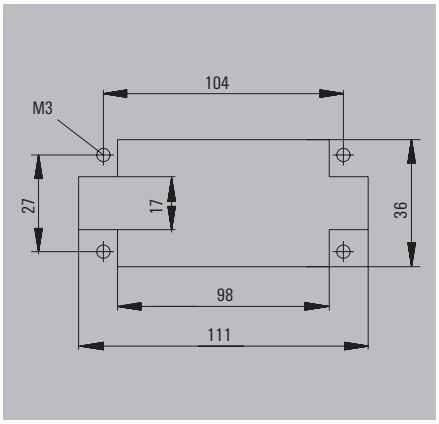
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



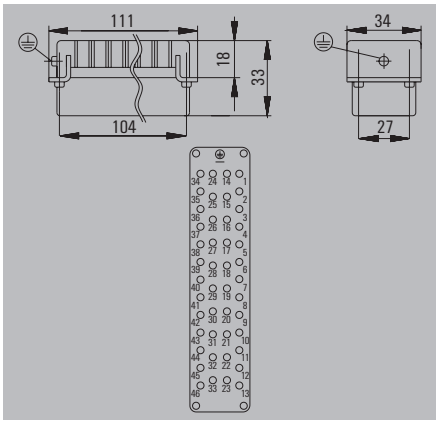
500 V, 16 A, size 8
46 + ⏚



Installation cut-out



Male



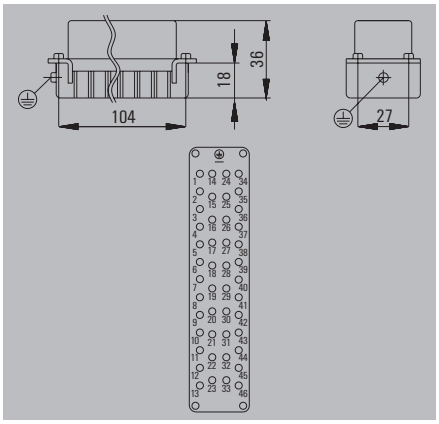
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 46 MC	1	1826770000
PUSH IN	HDC HEE 46 MP	1	3023980000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 46 FC	1	1826780000
PUSH IN	HDC HEE 46 FP	1	3023930000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

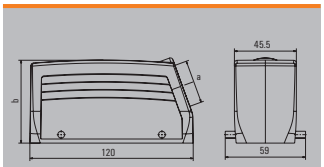
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

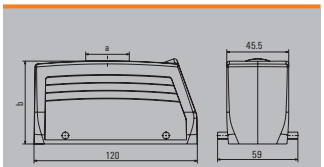
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

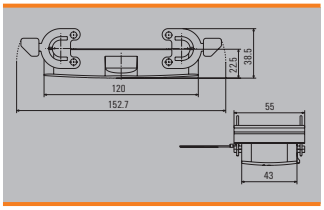
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

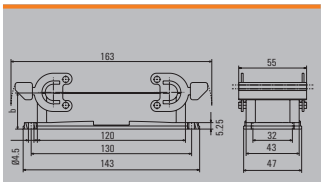


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

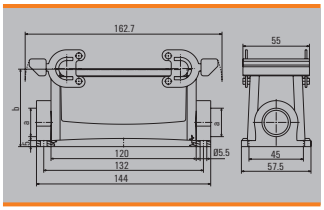
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

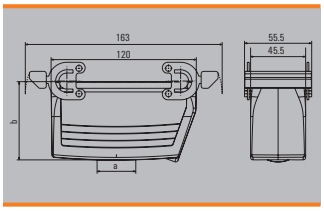
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

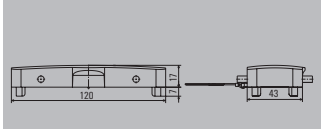
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



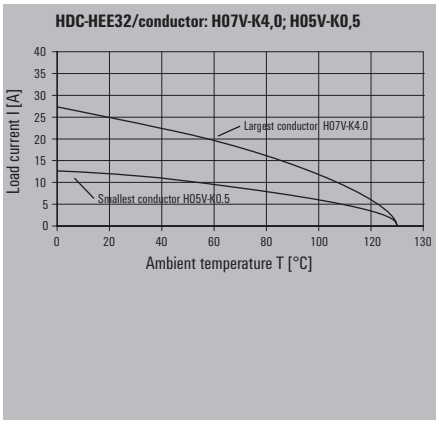
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000

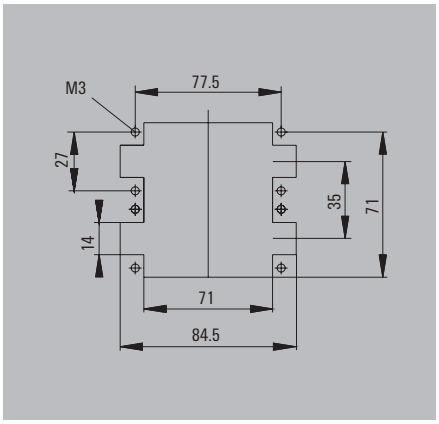


500 V, 16 A, size 10

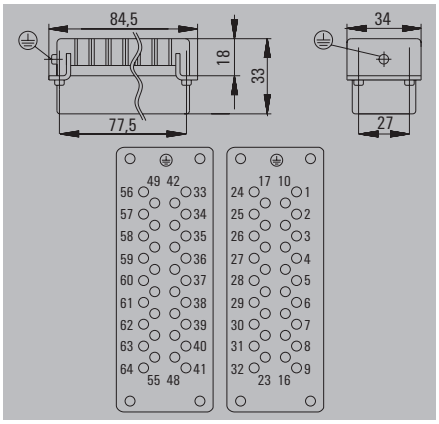
64 + ⏚



Installation cut-out



Male



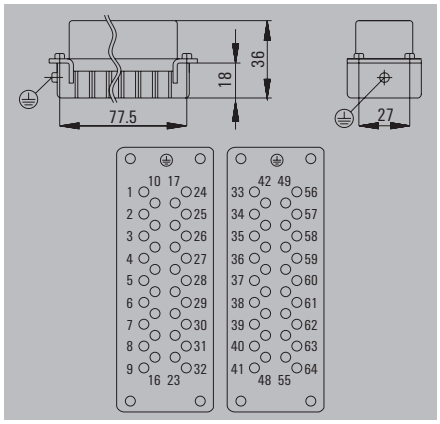
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 32 MC	1	1826790000
Crimp connection	HDC HEE 32 MC 33-64	1	1018950000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEE 32 FC	1	1826800000
Crimp connection	HDC HEE 32 FC 33-64	1	1018960000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

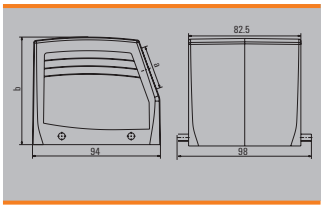
Housing selection RockStar® IP65
Size 10

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

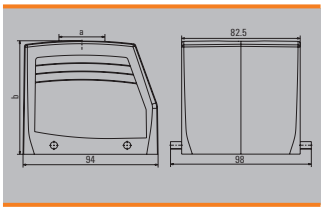
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TSBU 1M32G	1788400000
PG 29	w. thread		79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

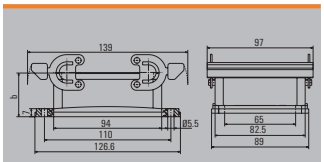
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TOBU 1M32G	1788430000
PG 29	w. thread		79	HDC 32B TOBU 1PG29G	1666870000



Base

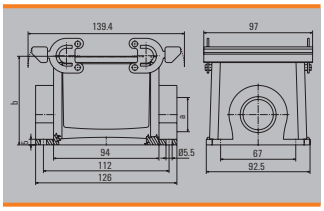
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		38	HDC 32B ABU	1217800000



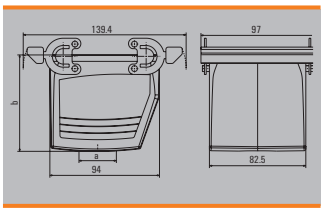
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	Side-locking		79	HDC 32B SBU 1M32G	1902600000
M 32	Side-locking		79	HDC 32B SBU 2M32G	1788460000
M 40	Side-locking		79	HDC 32B SBU 2M40G CS	1301990000
PG 29	Side-locking		79	HDC 32B SBU 2PG29G	1666920000
PG 36	Side-locking		79	HDC 32B SBU 1PG36G	1902610000
PG 36	Side-locking		79	HDC 32B SBU 2PG36G	1902640000



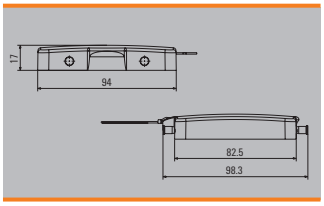
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 40	w. thread		83	HDC 32B KBU 1M40G	1902730000
PG 29	w. thread		83	HDC 32B KBU 1PG29G	1902740000
PG 36	w. thread		83	HDC 32B KBU 1PG36G	1902750000



Cover

Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000



HEEE series

HEEE inserts combine high currents up to 16A with a very high packing density. They are available as 40 and 64 pole units. They can be mounted in size 6 and 8 housings. These space-saving contact inserts are thus a solution when high-pole cables with high currents and voltages up to 500V are used.

Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA
Inserts	
No. of poles	40, 64 (+PE)
Rated voltage	500 V
Rated voltage to UL/CSA	600 V
Rated current	16 A
Rated impulse withstand voltage	6 kV
Pollution severity	3 (630 V / 6 kV / 2)
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V – 0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	
Crimp connection	≤ 2 mΩ
Contacts/Material	
Contacts	Copper alloy
Surface	Passivated silver, or gold-plated
Crimp connection	
– Flexible conductor connection	0.5 – 4 mm² (AWG 20 – 12)
– Stripping length	7.5 mm
PE connection	
– Clamping range	0.5 – 4 mm²
– solid/stranded	0.5 – 4 mm² / 0.5 – 4 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 4 mm² / 0.5 – 4 mm²
– AWG conductor	AWG 20 – 12
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

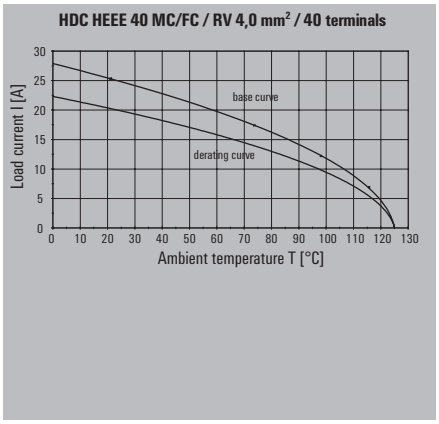
Note:

When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

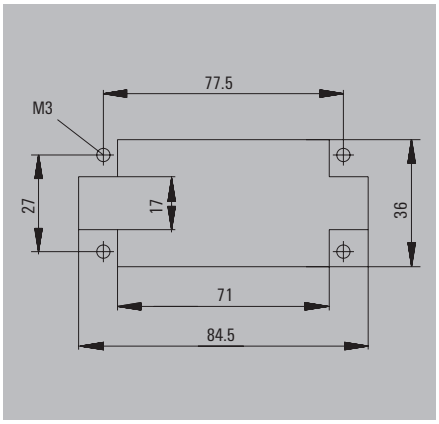
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		6	500 V	16 A	40 + ⏚				•		B.60
		8	500 V	16 A	64 + ⏚				•		B.62

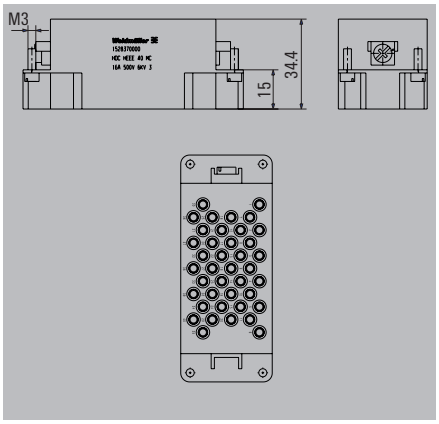
500 V, 16 A, size 6
40 + ⏚



Installation cut-out



Male



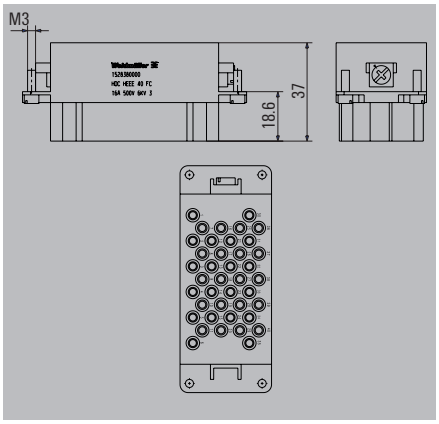
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEEE 40 MC	1	1528370000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEEE 40 FC	1	1528380000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

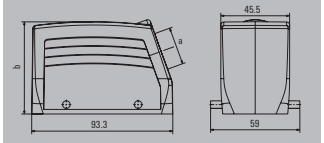
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

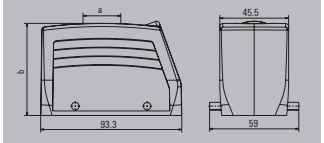
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



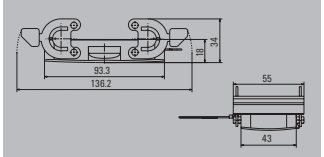
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

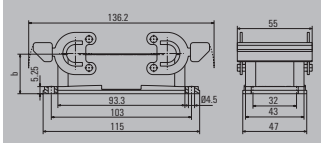


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

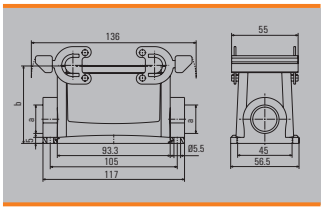
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

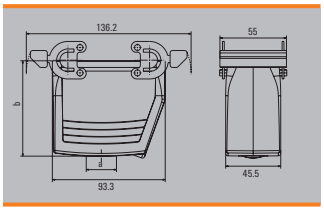
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

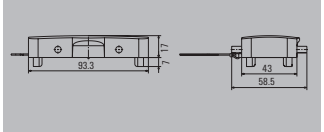
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay

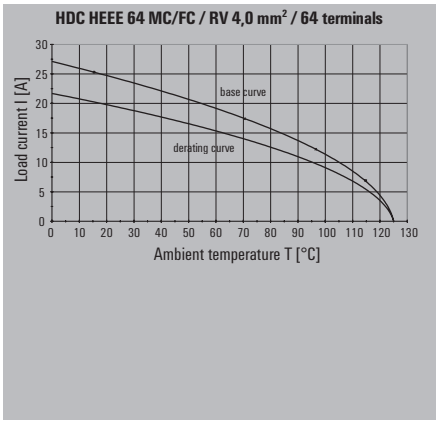


Cover

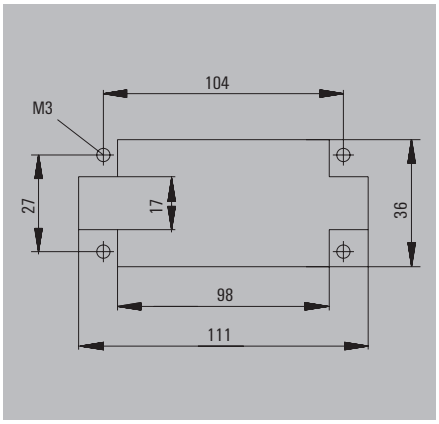
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



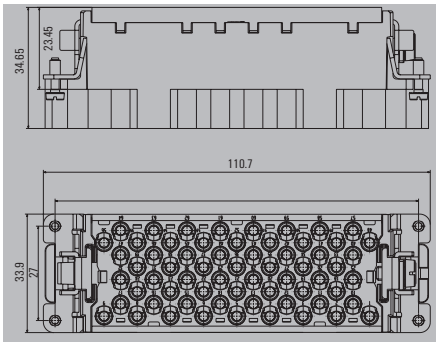
500 V, 16 A, size 8
64 + ⏚



Installation cut-out



Male



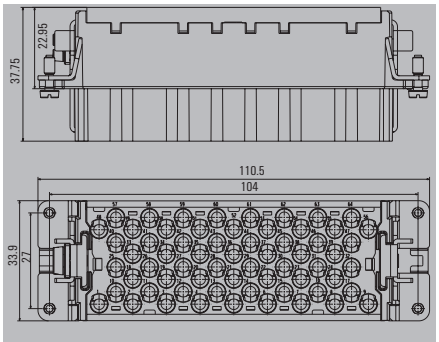
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEEE 64 MC	1	2729580000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HEEE 64 FC	1	2729590000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HE	1	1866750000

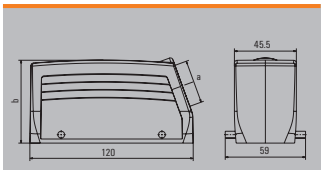
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

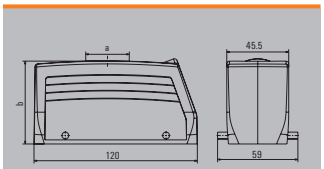
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

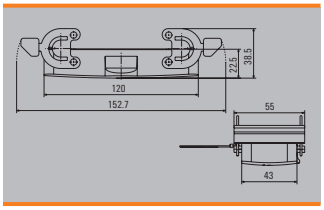
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

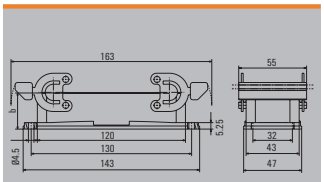


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

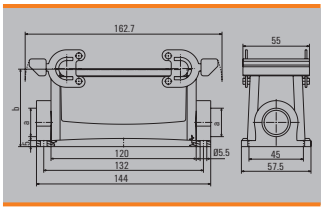
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

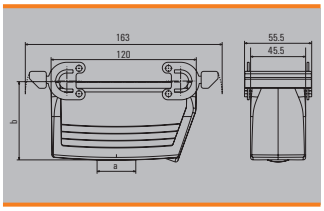
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

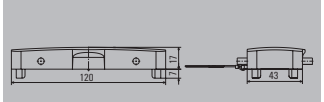
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



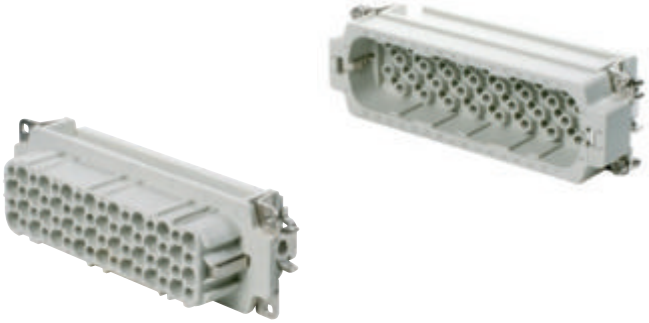
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



HD series

The HD series has a high contact density and is therefore particularly suitable for signal processing. The HD insert can be fitted with turned crimp contacts or fibre optic contacts – impressive flexibility.



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1 DIN EN 175301-801
Approvals	UL/CSA
Inserts	
No. of poles	7, 15, 16, 25, 40, 50, 64, 80, 128 (+ PE), 8
Rated voltage	250 V
Rated voltage to UL/CSA	600 V
Rated current	10 A
Rated impulse withstand voltage	4 kV
Pollution severity	3
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	–40 °C to +125 °C
Flammability to UL 94	V -0
Mechanical service life	
– Plugging cycles Ag - Surface	≥ 500
– Plugging cycles Au - Surface	≥ 500
Contact resistance	
Crimp connection	≤ 4 mΩ
Contacts/Material	
Sockets and plug-in contact	Copper alloy
Surface	Passivated silver, or gold-plated
Crimp connection	
– Flexible conductor connection	0.14 – 2.5 mm² (AWG 26 – 14)
– Stripping length	8.0 mm
PE connection	
– Clamping range	0.5 – 2.5 mm²
– solid/stranded	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– AWG conductor	AWG 20 – 14
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

Note:
For inserts with 15 or more poles, the earthing (ground) is made with a screw connection. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!
The HD 8 does not feature an earthing connection.

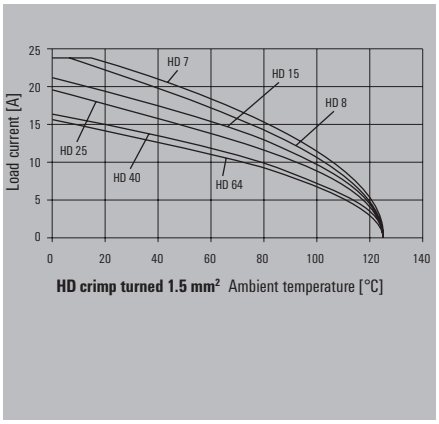
When using connectors with high contact density, we recommend the use of guide pins and sockets; see Chapter J.

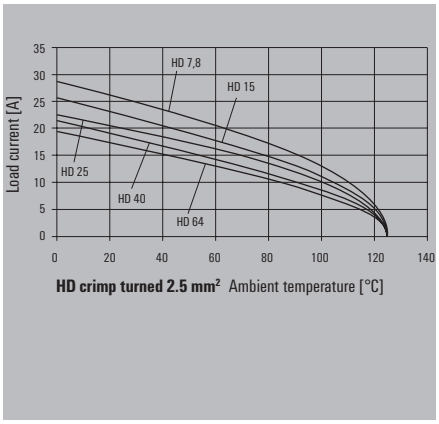
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		1	250 V	10 A	7 + ⏚				•		B.66
		1	50 V	10 A	8				•		B.68
		2	250 V	10 A	15 + ⏚				•		B.70
		5	250 V	10 A	25 + ⏚				•		B.72
		6	250 V	10 A	40 + ⏚				•		B.74
		7	250 V	10 A	50 + ⏚				•		B.76
		8	250 V	10 A	64 + ⏚				•		B.78
		10	250 V	10 A	80 + ⏚				•		B.80
		12	250 V	10 A	128 + ⏚				•		B.82

250 V, 10 A, size 1

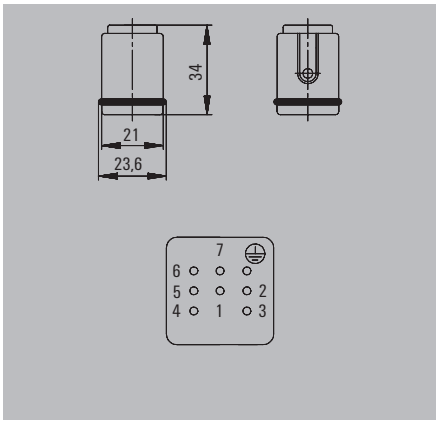
7 + ⏚





Installation cut-out

Male



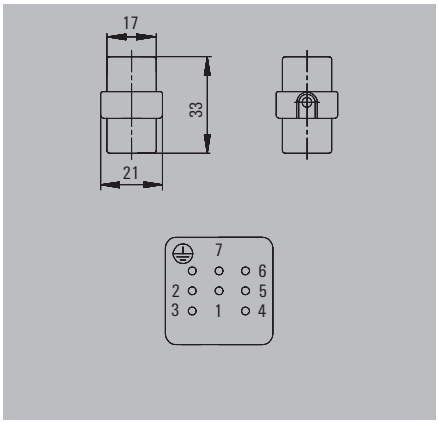
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 7 MC	1	1650570000
Can only be used in plastic housings.			

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 7 FC	1	1650580000
Can only be used in plastic housings.			

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

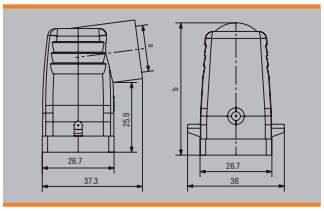
Housing selection RockStar® IP65
Size 1

For additional housings, refer to Chapter D for IP65 / Chapter F for IP68 EMC

Plug housing, cable entry sideways

Material: Plastic

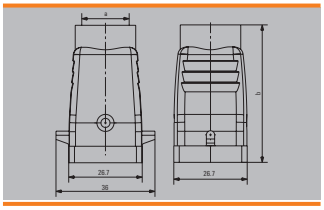
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TWLU 1M20G	1788510000



Plug housing, cable entry at top

Material: Plastic

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TOLU 1M20G	1788520000

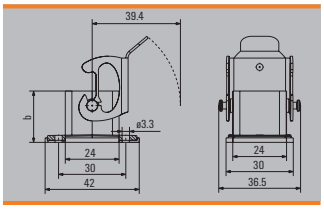


Base

Bulkhead housing

Material: Plastic

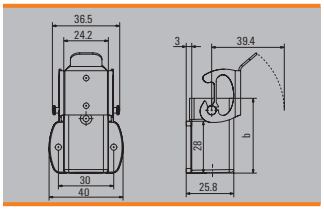
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 07A ALU	1652410000



Base housing

Material: Plastic

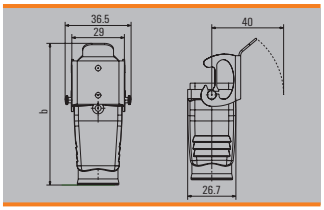
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 07A SLU 1M20G	1788530000



Coupling housing

Material: Plastic

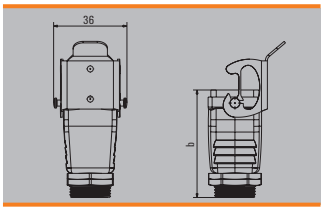
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 07A KOLU 1M20G	1788540000



Screw mounting housing

Material: Plastic

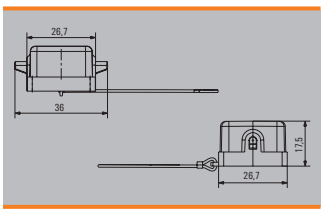
a	Version	Cover	b (mm)	Type	Order No.
PG 13.5	w. thread		54	HDC 07A ELU 1PG13G	1900990000



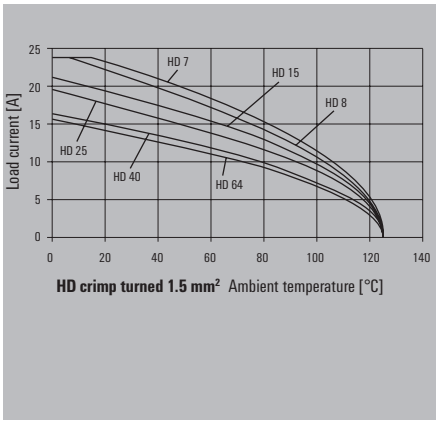
Cover

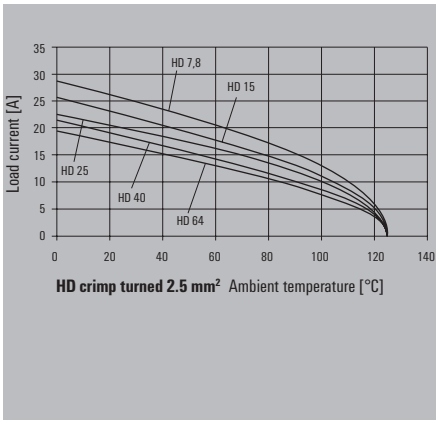
Material: Plastic

Version	Type	Order No.
with female	HDC 07A DMDL 2BO	1665770000
with male	HDC 07A DODL 2BO	1665760000



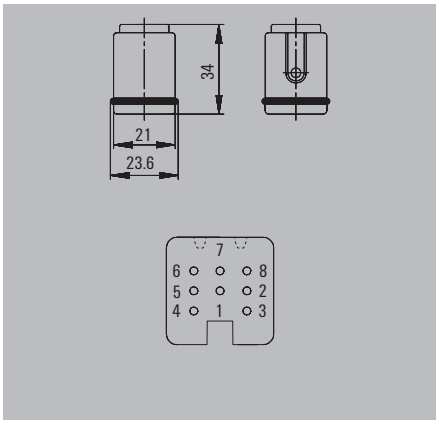
250 V, 10 A, size 1
8





Installation cut-out

Male



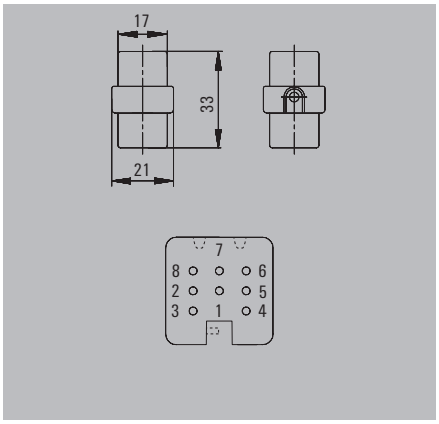
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 8 MC	1	1650590000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 8 FC	1	1650600000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Housing selection RockStar® IP65
Size 1

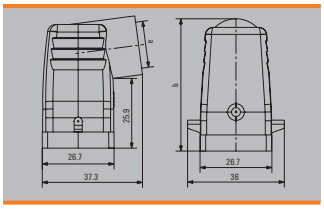
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: Plastic

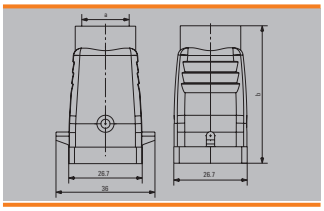
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TWLU 1M20G	1788510000



Plug housing, cable entry at top

Material: Plastic

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TOLU 1M20G	1788520000

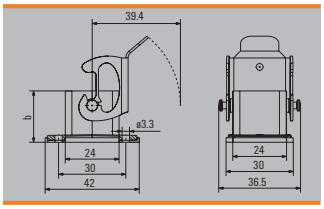


Base

Bulkhead housing

Material: Plastic

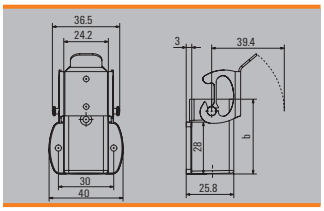
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 07A ALU	1652410000



Base housing

Material: Plastic

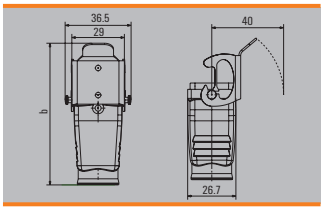
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 07A SLU 1M20G	1788530000



Coupling housing

Material: Plastic

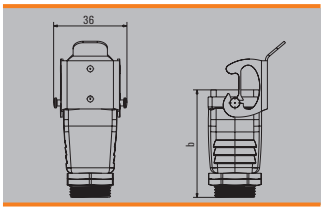
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 07A KOLU 1M20G	1788540000



Screw mounting housing

Material: Plastic

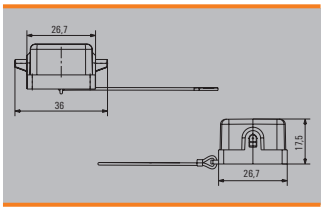
a	Version	Cover	b (mm)	Type	Order No.
PG 13.5	w. thread		54	HDC 07A ELU 1PG13G	1900990000



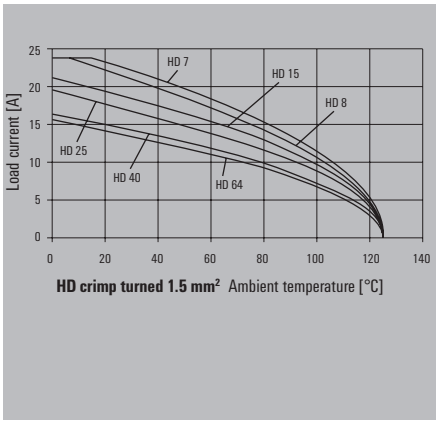
Cover

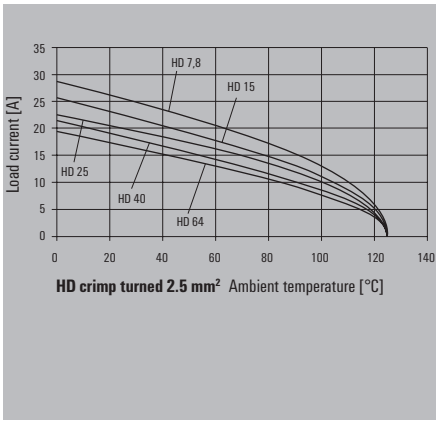
Material: Plastic

Version	Type	Order No.
with female	HDC 07A DMDL 2BO	1665770000
with male	HDC 07A DODL 2BO	1665760000

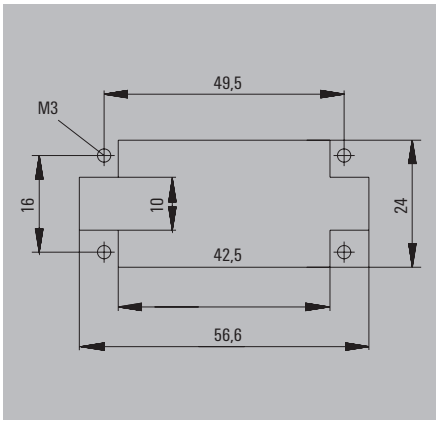


250 V, 10 A, size 2
15 + ⏚

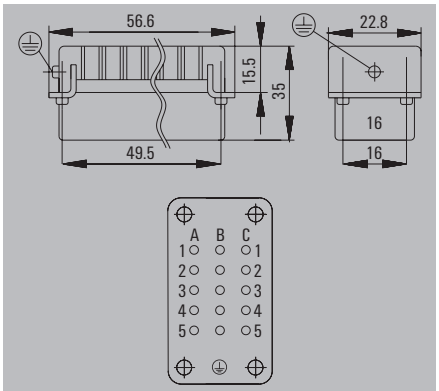




Installation cut-out



Male



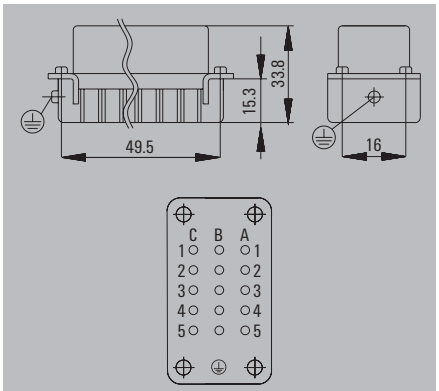
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 15 MC	1	1650650000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 15 FC	1	1650660000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

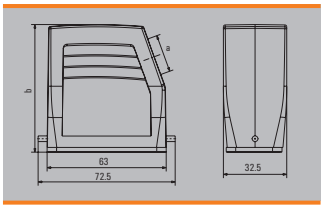
Housing selection RockStar® IP65
Size 2

For additional housings, refer to chapter D for IP65

Hood

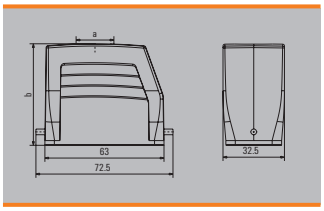
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		68	HDC 15A TSLU 1M20G	1788860000
M 25	w. thread		68	HDC 15A TSLU 1M25G	1788850000



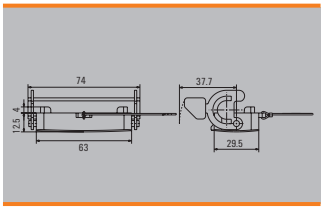
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 10A TOLU 1M20G	1788620000
M 25	w. thread		54	HDC 10A TOLU 1M25G	1788610000



Cover

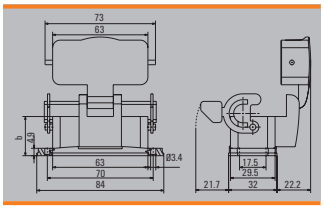
Version	Type	Order No.
For hoods	HDC 10A DODL 1LB	1665890000



Base

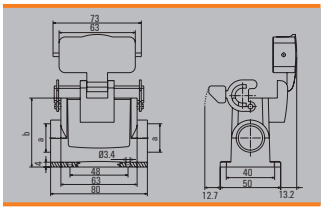
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	26	HDC 10A ALU	1664040000
	End-locking	with cover	26	HDC 10A ADLU	1664060000



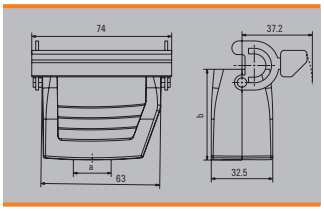
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		57	HDC 10A SLU 2M20G	1788640000
M 20	End-locking	with cover	70	HDC 10A SDLU 2M20G	1788660000
M 25	End-locking		57	HDC 10A SLU 2M25G	1788630000
M 25	End-locking	with cover	70	HDC 10A SDLU 2M25G	1788650000



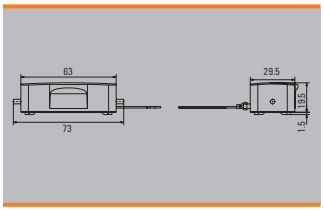
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		48	HDC 10A KLU 1M25G	1788670000



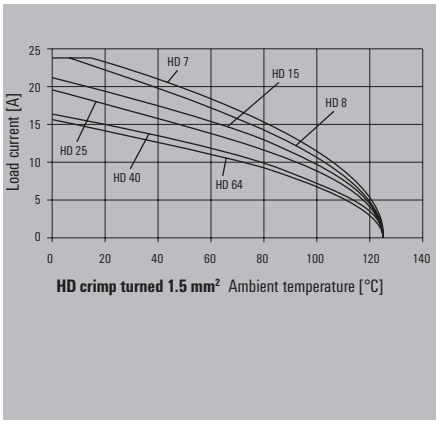
Cover

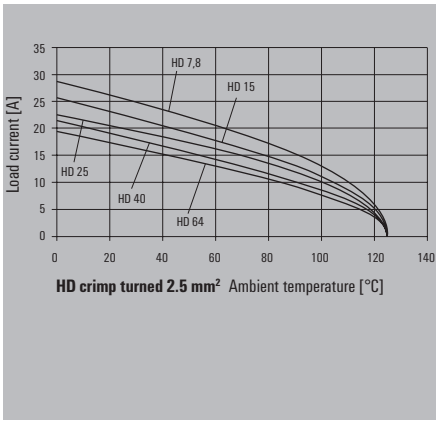
Version	Type	Order No.
For bases	HDC 10A DMDL 2BO	1665880000



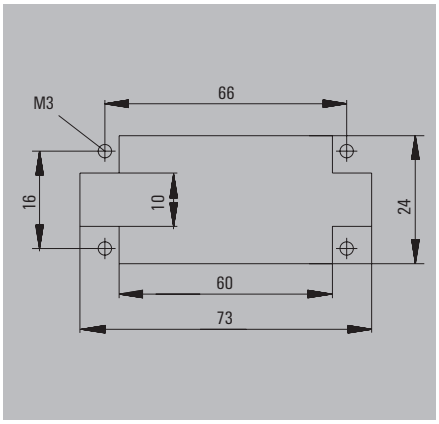
250 V, 10 A, size 5

25 + ⏚

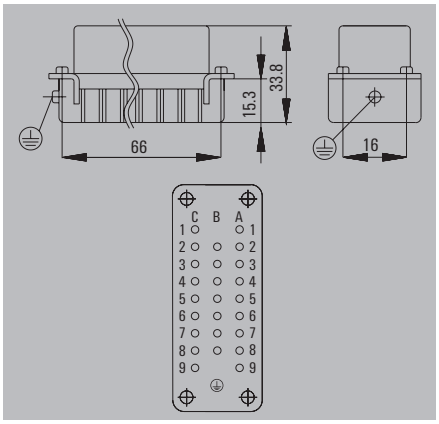




Installation cut-out



Male



Ordering data

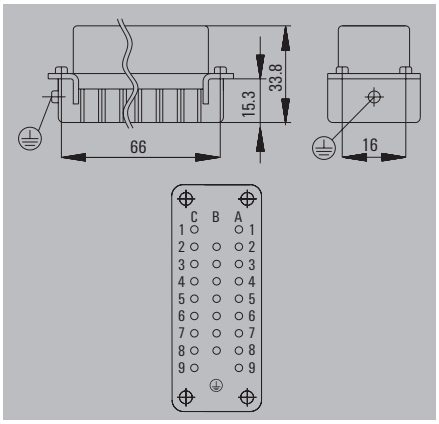
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 25 MC	1	**1650810000**

Please use this insert type doubled for size 7 (50-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 25 FC	1	**1650820000**

Please use this insert type doubled for size 7 (50-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

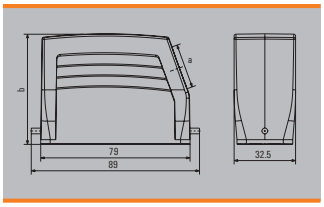
Housing selection RockStar® IP65
Size 5

For additional housings, refer to chapter D for IP65

Hood

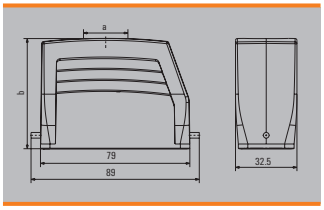
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		72	HDC 25A TSLU 1M20G	1788680000
M 25	w. thread		58	HDC 16A TSLU 1M25G	1788740000
M 25	w. thread		72	HDC 25A TSLU 1M25G	1788690000



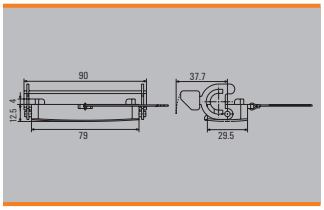
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		72	HDC 25A TOLU 1M20G	1788710000
M 25	w. thread		58	HDC 16A TOLU 1M25G	1788750000
M 25	w. thread		72	HDC 25A TOLU 1M25G	1788700000



Cover

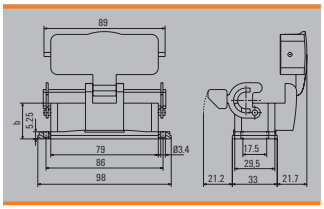
Version	Type	Order No.
For hoods	HDC 16A DODL 1LB	1665900000



Base

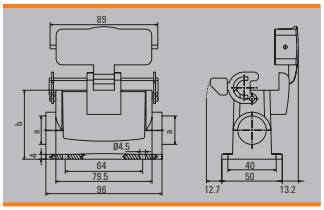
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	26	HDC 16A ALU	1664920000
	End-locking	with cover	26	HDC 16A ADLU	1664940000



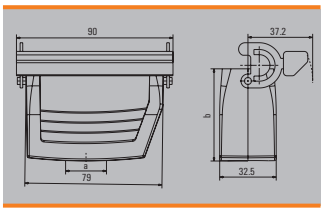
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		57	HDC 16A SLU 2M20G	1788770000
M 20	End-locking	with cover	57	HDC 16A SDLU 2M20G	1788790000
M 25	End-locking		57	HDC 16A SLU 2M25G	1788760000
M 25	End-locking	with cover	57	HDC 16A SDLU 2M25G	1788780000



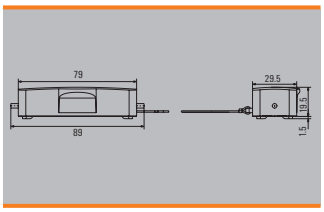
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		53	HDC 16A KLU 1M25G	1788800000



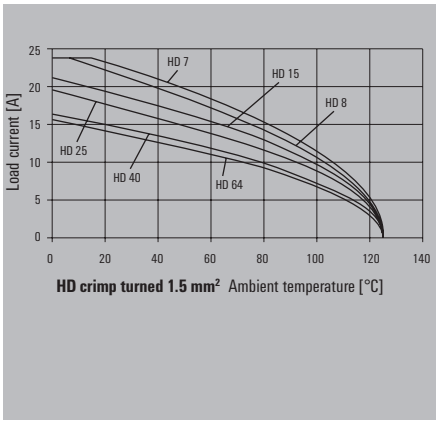
Cover

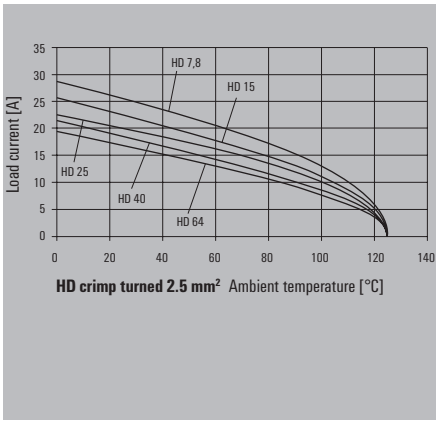
Version	Type	Order No.
For bases	HDC 16A DMDL 2BO	1665910000



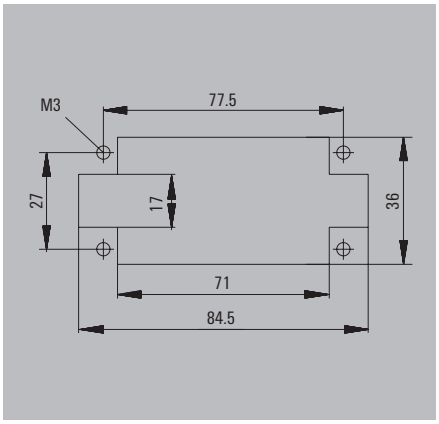
250 V, 10 A, size 6

40 + ⏚

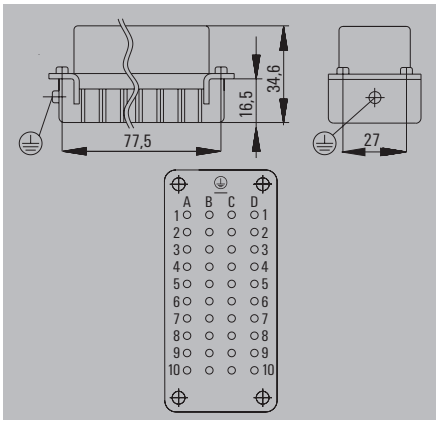




Installation cut-out



Male



Ordering data

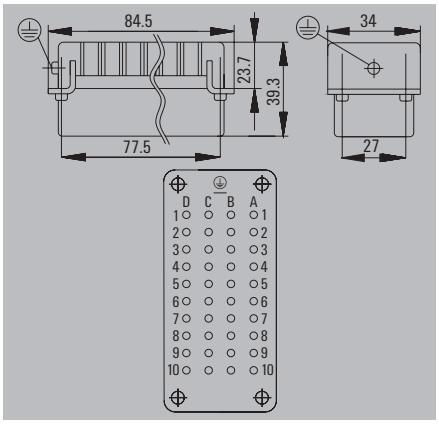
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 40 MC	1	**1601710000**

Please use this insert type doubled for size 10 (80-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 40 FC	1	**1601730000**

Please use this insert type doubled for size 10 (80-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

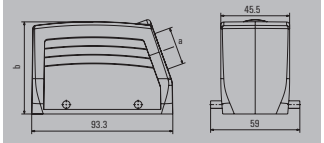
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

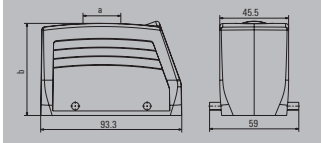
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



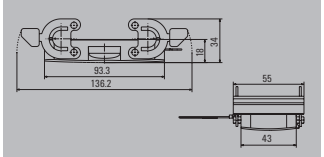
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

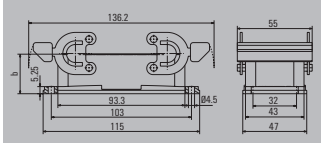


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

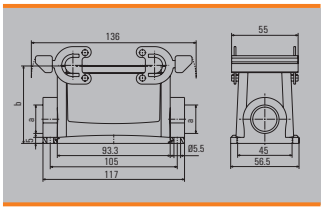
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

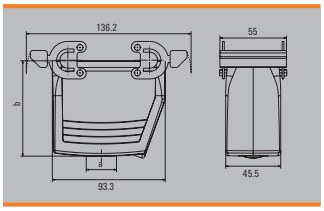
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

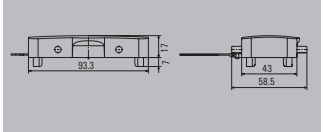
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



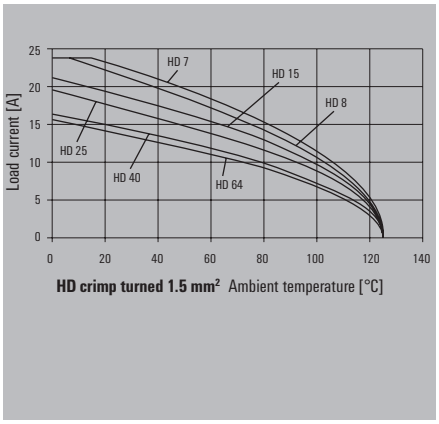
Cover

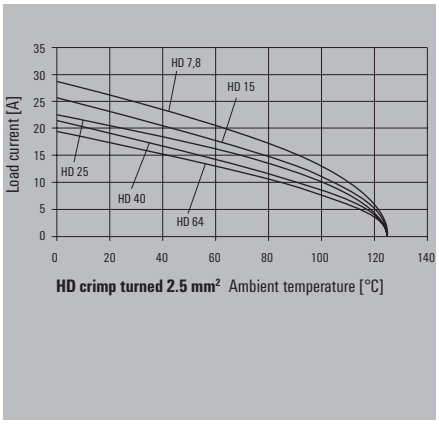
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



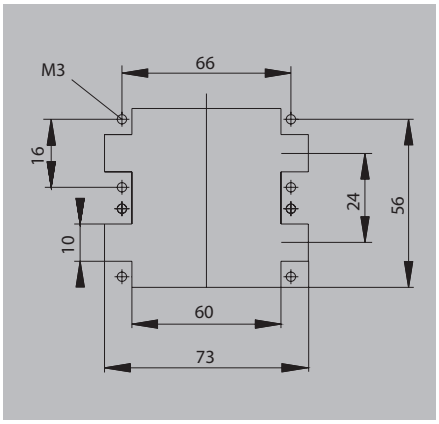
250 V, 10 A, size 7

50 + ⏚

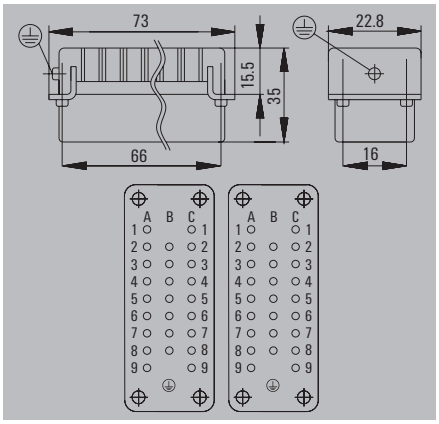




Installation cut-out



Male



Ordering data

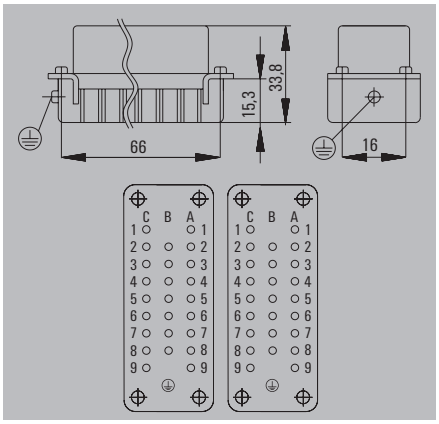
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 25 MC	1	1650810000
Crimp connection	HDC HD 25 MC Z	1	1023040000

Please use this insert type doubled for size 7 (50-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 25 FC	1	1650820000
Crimp connection	HDC HD 25 FC Z	1	1023050000

Please use this insert type doubled for size 7 (50-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

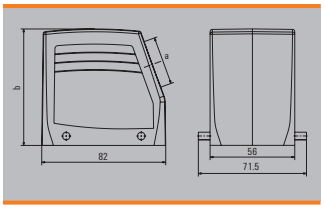
Housing selection RockStar® IP65
Size 7

For additional housings, refer to chapter D for IP65

Hood

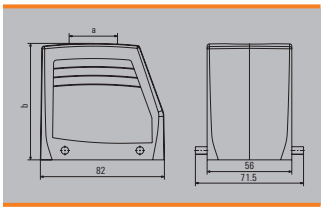
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		77	HDC 32A TSBU 1M25G	1787960000
M 32	w. thread		77	HDC 32A TSBU 1M32G	1787950000



Plug housing, cable entry at top

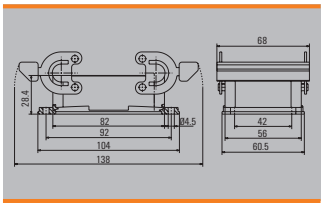
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		77	HDC 32A TOBU 1M32G	1787990000



Base

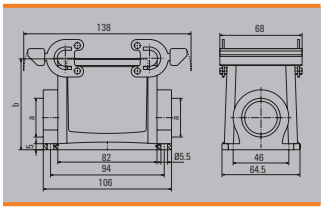
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 32A ABU	1665860000



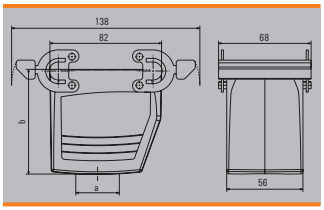
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		75	HDC 32A SBU 2M25G	1788040000

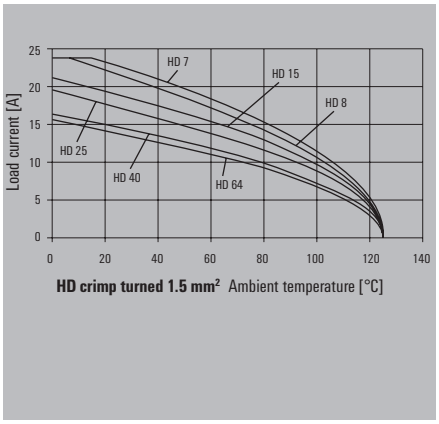


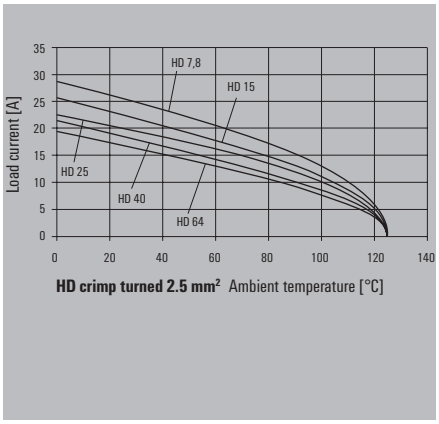
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		77	HDC 32A KBU 1M25G	1788080000
M 32	w. thread		77	HDC 32A KBU 1M32G	1788070000

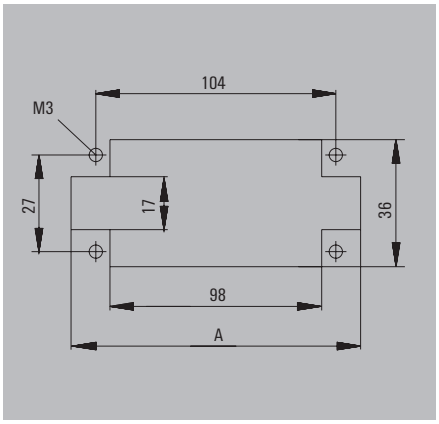


250 V, 10 A, size 8
64 + ⏚

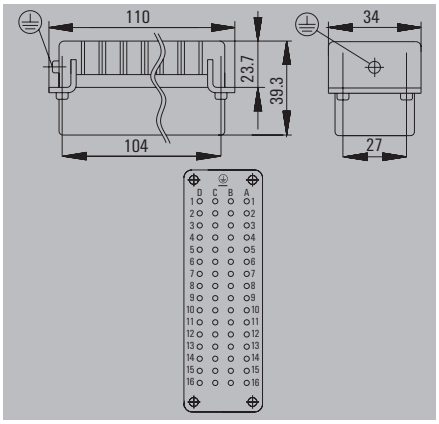




Installation cut-out



Male



Ordering data

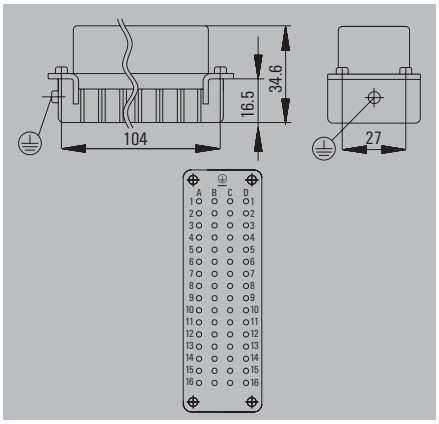
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 64 MC	1	1601720000

Please use this insert type doubled for size 12 (128-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 64 FC	1	1601740000

Please use this insert type doubled for size 12 (128-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

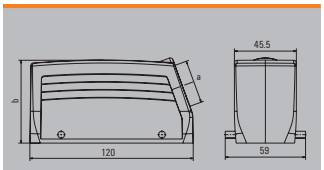
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

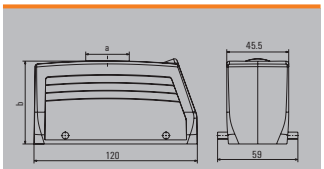
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

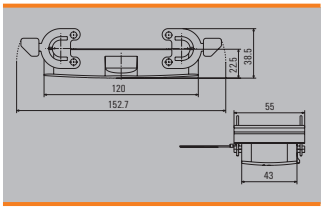
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

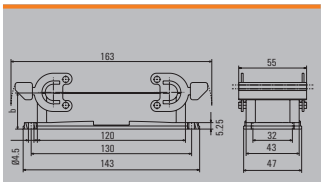


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

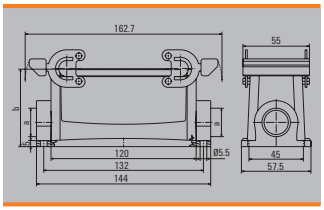
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

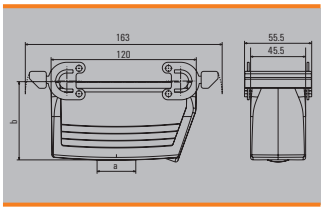
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

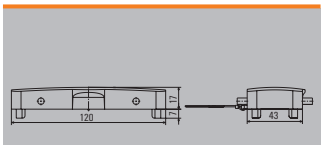
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



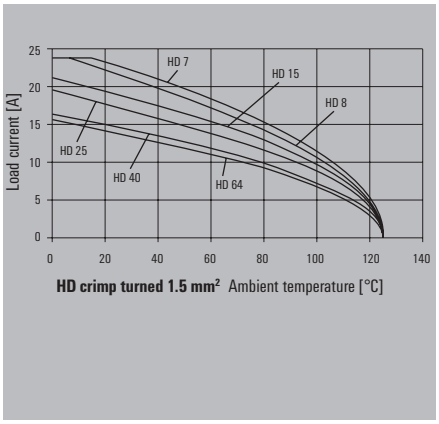
Cover

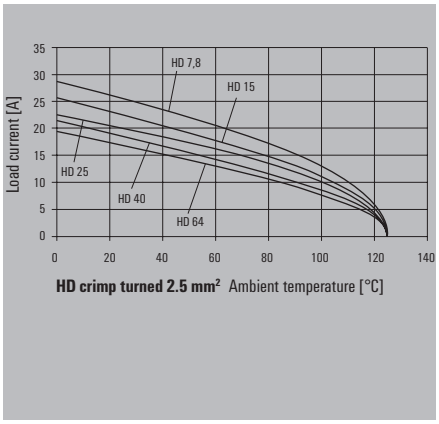
Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



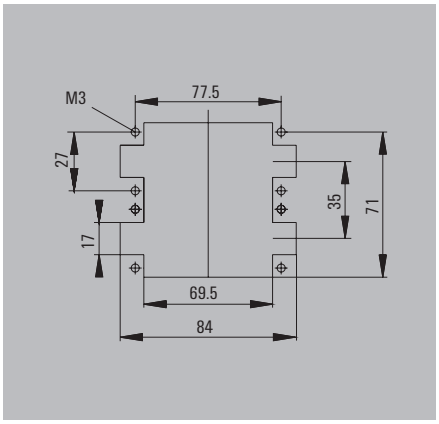
250 V, 10 A, size 10

80 + ⏚

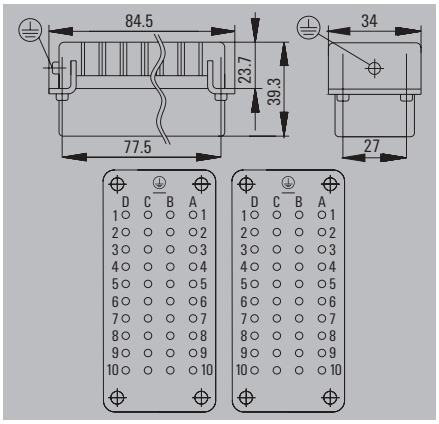




Installation cut-out



Male



Ordering data

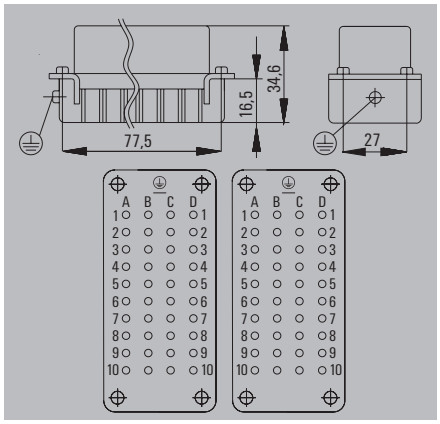
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 40 MC	1	**1601710000**

Please use this insert type doubled for size 10 (80-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 40 FC	1	**1601730000**

Please use this insert type doubled for size 10 (80-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

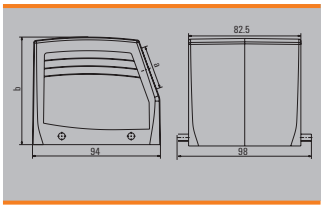
Housing selection RockStar® IP65
Size 10

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

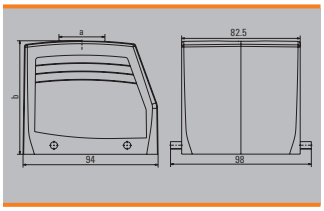
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TSBU 1M32G	1788400000
PG 29	w. thread		79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

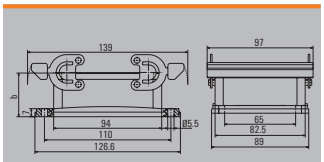
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TOBU 1M32G	1788430000
PG 29	w. thread		79	HDC 32B TOBU 1PG29G	1666870000



Base

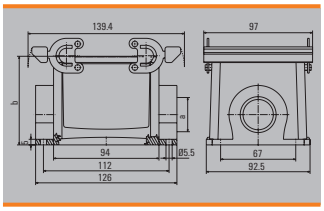
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		38	HDC 32B ABU	1217800000



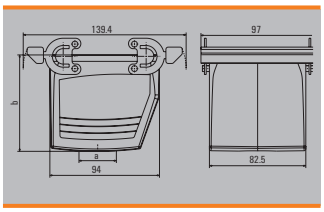
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	Side-locking		79	HDC 32B SBU 1M32G	1902600000
M 32	Side-locking		79	HDC 32B SBU 2M32G	1788460000
M 40	Side-locking		79	HDC 32B SBU 2M40G CS	1301990000
PG 29	Side-locking		79	HDC 32B SBU 2PG29G	1666920000
PG 36	Side-locking		79	HDC 32B SBU 1PG36G	1902610000
PG 36	Side-locking		79	HDC 32B SBU 2PG36G	1902640000



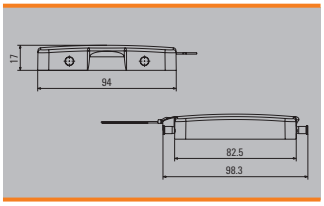
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 40	w. thread		83	HDC 32B KBU 1M40G	1902730000
PG 29	w. thread		83	HDC 32B KBU 1PG29G	1902740000
PG 36	w. thread		83	HDC 32B KBU 1PG36G	1902750000



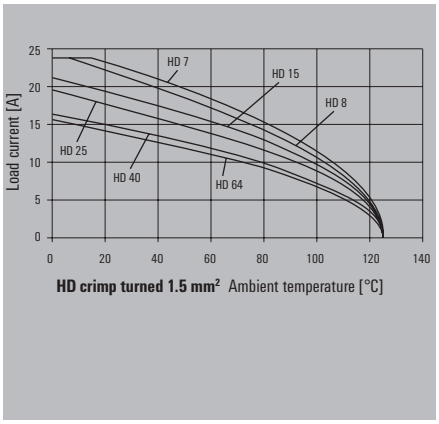
Cover

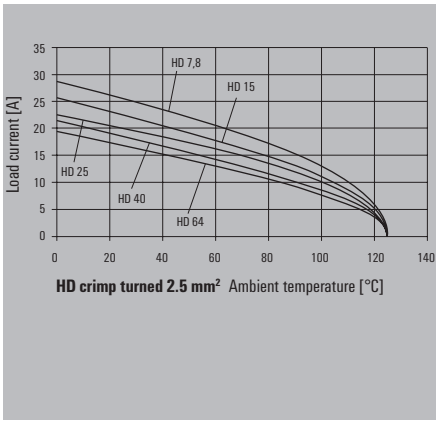
Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000



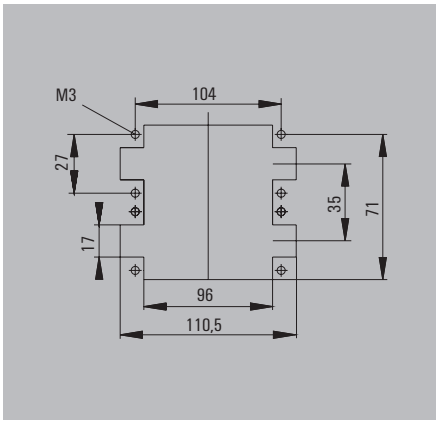
250 V, 10 A, size 12

128 + ⏚

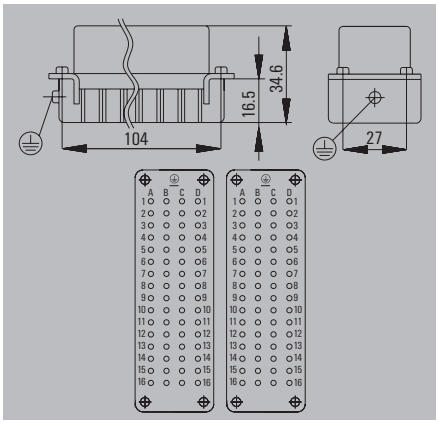




Installation cut-out



Male



Ordering data

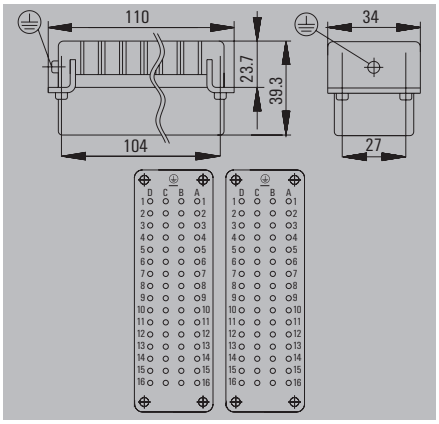
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 64 MC	1	**1601720000**

Please use this insert type doubled for size 12 (128-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HD 64 FC	1	**1601740000**

Please use this insert type doubled for size 12 (128-pole). We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

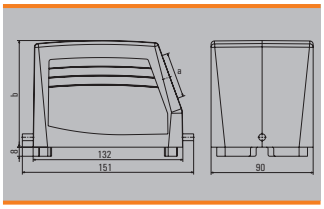
Housing selection RockStar® IP65
Size 12

For additional housings, refer to chapter D for IP65

Hood

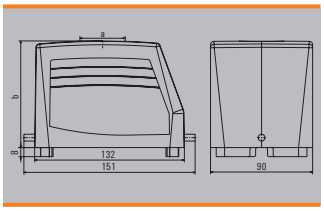
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TSLU 1M32G	1788320000
M 40	w. thread		94	HDC 48B TSLU 1M40G	1788310000
M 50	w. thread		94	HDC 48B TSLU 1M50G	1788300000



Plug housing, cable entry at top

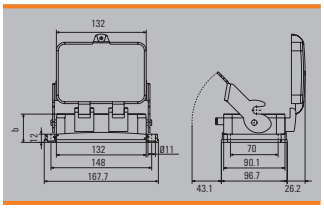
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TOLU 1M32G	1788350000
M 50	w. thread		94	HDC 48B TOLU 1M50G	1788330000



Base

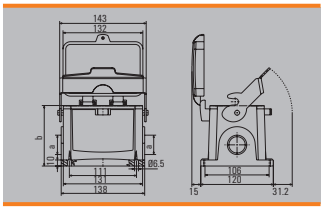
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	with cover	62	HDC 48B ADLU	1222900000



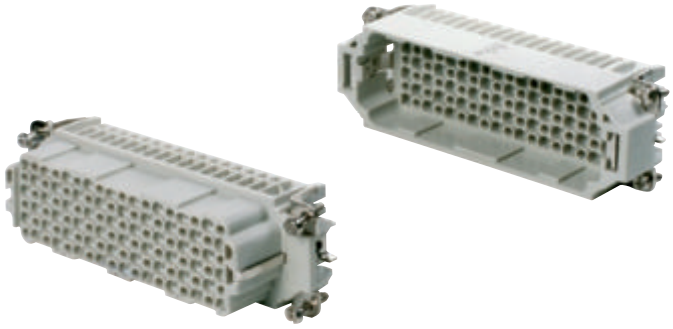
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	End-locking		100	HDC 48B SLU 2M32G	1788370000
M 32	End-locking	with cover	120	HDC 48B SDLU 2M32G	1788390000
M 40	End-locking		100	HDC 48B SLU 2M40G	1788360000



HDD series

Effective: These inserts are specially developed for crimp and fibre-optic contacts and provide a packing density of up to 216 poles.



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA
Inserts	
No. of poles	24, 42, 72, 108, 144, 216 + PE
Rated voltage	250 V
Rated voltage to UL/CSA	600 V
Rated current	10 A
Rated impulse withstand voltage	4 kV
Pollution severity	3
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V-0
Mechanical service life	
– Plugging cycles Ag - Surface	≥ 500
– Plugging cycles Au - Surface	≥ 500
Contact resistance	
Crimp connection	≤ 4 mΩ
Contacts/Material	
Sockets and plug-in contact	Copper alloy
Surface	Passivated silver, or gold-plated
Crimp connection	
– Flexible conductor connection	0.14 – 2.5 mm² (AWG 26 – 14)
– Stripping length	8.0 mm
PE connection	
– Clamping range	0.5 – 2.5 mm²
– solid/stranded	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– AWG conductor	AWG 20 – 14
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm or PZ1

Note:

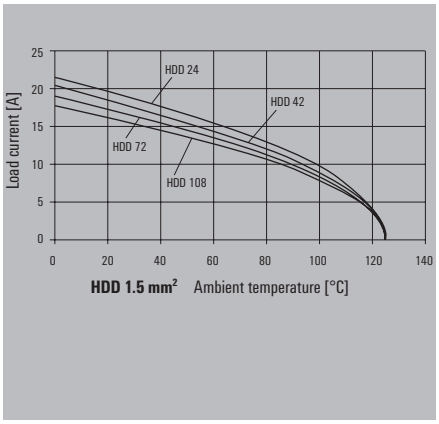
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

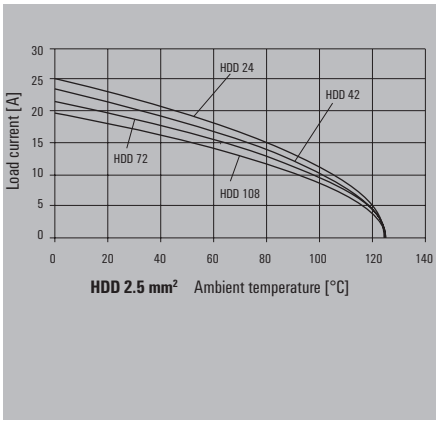
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		3	250 V	10 A	24 + ⏚				•		B.86
		4	250 V	10 A	42 + ⏚				•		B.88
		6	250 V	10 A	72 + ⏚				•		B.90
		8	250 V	10 A	108 + ⏚				•		B.92
		10	250 V	10 A	144 + ⏚				•		B.94
		12	250 V	10 A	216 + ⏚				•		B.96

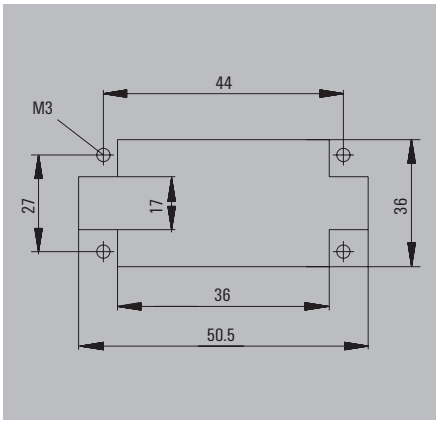
250 V, 10 A, size 3

24 + ⏚

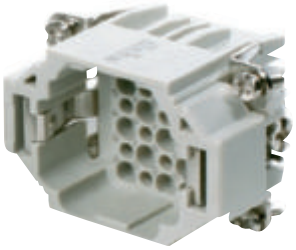


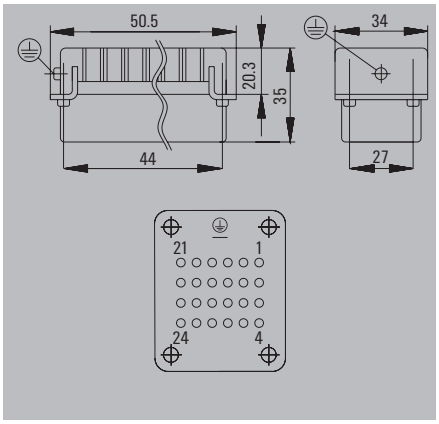


Installation cut-out



Male





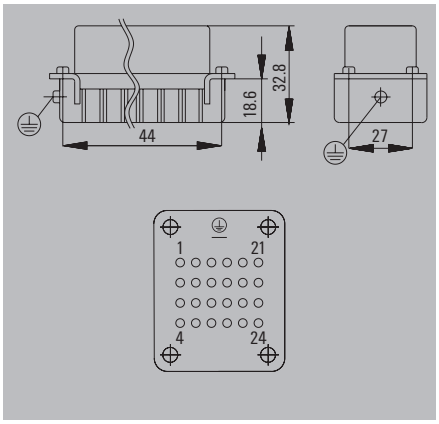
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 24 MC	1	1651150000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 24 FC	1	1651160000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

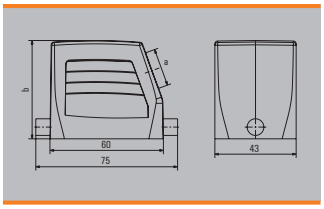
Housing selection RockStar® IP65
Size 3

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

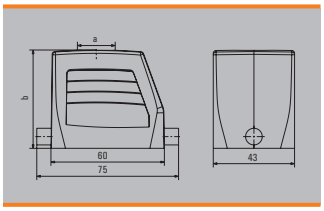
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TSLU 1M20G	1788100000
M 25	w. thread		52	HDC 06B TSLU 1M25G	1788090000
M 25	w. thread		72	HDC 16D TSLU 1M25G	1787480000



Plug housing, cable entry at top

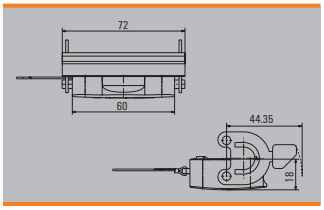
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 06B TOLU 1M20G	1788120000
M 25	w. thread		52	HDC 06B TOLU 1M25G	1788110000
M 25	w. thread		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. thread		72	HDC 16D TOLU 1M32G	1787490000



Cover

Version	Type	Order No.
For hoods	HDC 06B DMDL 1LB	1665210000
For hoods	HDC 06B DMDL 1LB N	2559730000

Note Note: N = Plastic locking lever with stainless steel inlay

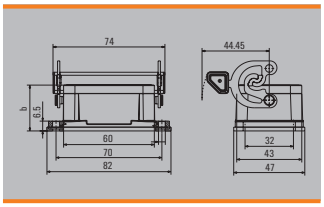


Base

Bulkhead housing

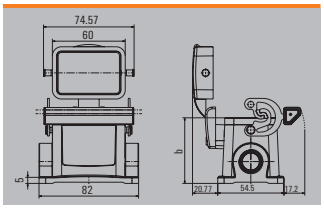
	Version	Cover	b (mm)	Type	Order No.
	End-locking	without cover	29	HDC 06B ALU	1202100000
	End-locking		29	HDC 06B ALU N	2488560000
	End-locking	with cover	29	HDC 06B ADLU	1202500000
	End-locking	with cover	29	HDC 06B ADLU N	2559320000

Note Note: N = Plastic locking lever with stainless steel inlay



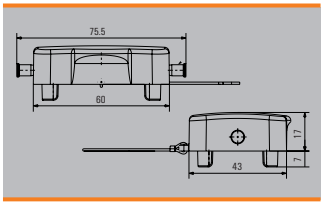
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	End-locking		54	HDC 06B SLU 1M20G N	2637080000
M 20	End-locking	with cover	54	HDC 06B SDLU 1M20G N	2560720000
M 20	End-locking		54	HDC 06B SLU 2M20G	1788140000
M 20	End-locking	with cover	54	HDC 06B SDLU 2M20G	1788170000
M 25	End-locking		54	HDC 06B SLU 2M25G	1788130000
M 25	End-locking	without cover	54	HDC 06B SLU 2M25G N	2560860000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G	1788160000
M 25	End-locking	with cover	54	HDC 06B SDLU 2M25G N	2560830000
Note	Note: N = Plastic locking lever with stainless steel inlay				



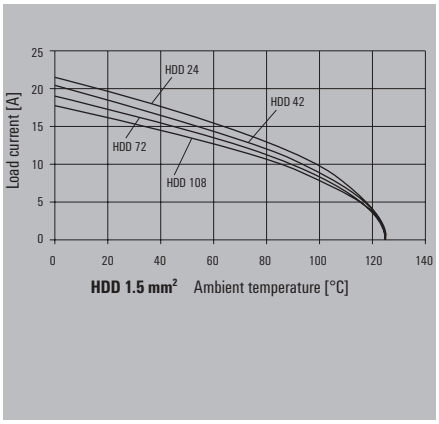
Cover

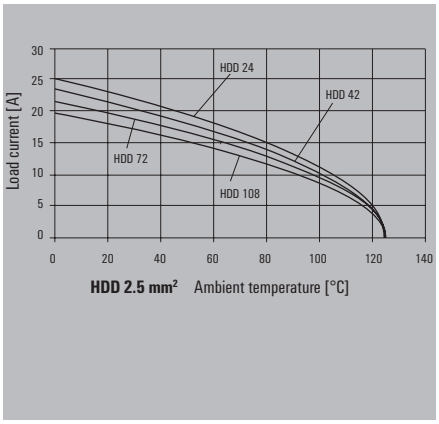
Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000



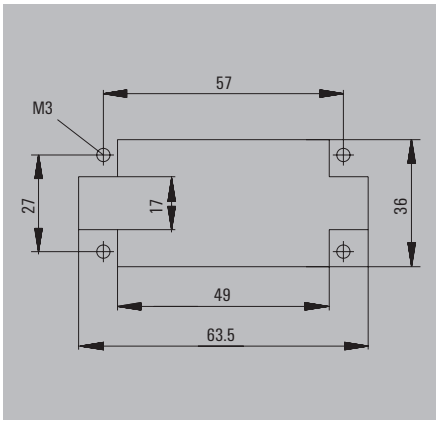
250 V, 10 A, size 4

42 + ⏚

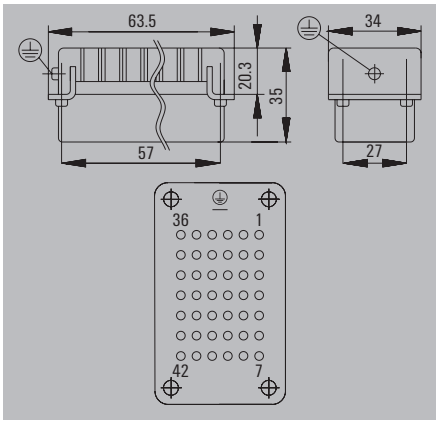




Installation cut-out



Male



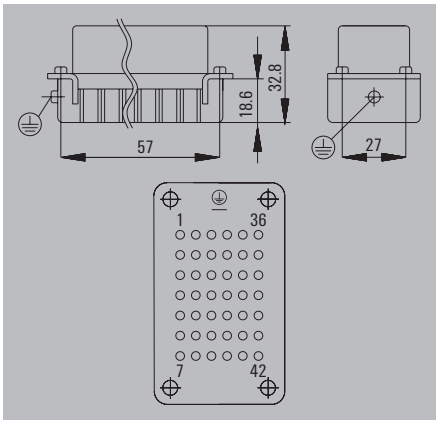
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 42 MC	1	**1651170000**

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 42 FC	1	**1651180000**

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**

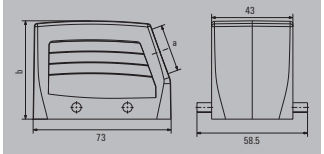
Housing selection RockStar® IP65
Size 4

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

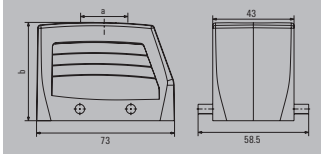
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TSBU 1M20G	1787560000
M 25	w. thread		52	HDC 10B TSBU 1M25G	1787550000
M 25	w. thread		72	HDC 24D TSBU 1M25G	1787240000
M 32	w. thread		72	HDC 24D TSBU 1M32G	1787230000



Plug housing, cable entry at top

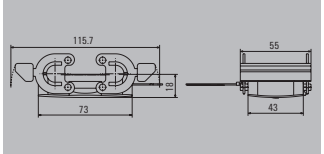
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. thread		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. thread		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. thread		72	HDC 24D TOBU 1M32G	1787290000



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	1665240000
For hoods	HDC 10B DMDQ 2QB N	2559740000

Note Note: N = Plastic locking lever with stainless steel inlay

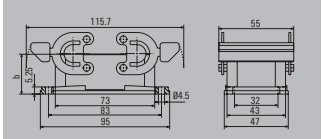


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 10B ABU	1205000000
	Side-locking		30	HDC 10B ABU N	2488580000

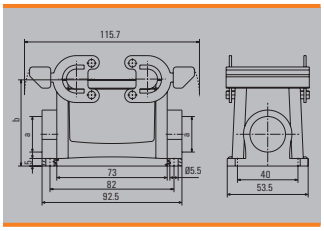
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		57	HDC 10B SBU 1M20G N	2560880000
M 20	Side-locking		57	HDC 10B SBU 2M20G	1787640000
M 20	Side-locking		57	HDC 10B SBU 2M20G N	2560890000
M 25	Side-locking		57	HDC 10B SBU 1M25G N	2560900000
M 25	Side-locking		57	HDC 10B SBU 2M25G	1787630000
M 25	Side-locking		57	HDC 10B SBU 2M25G N	2560910000

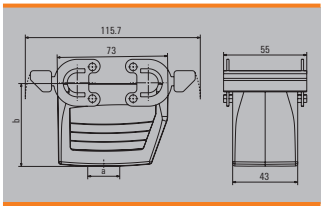
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

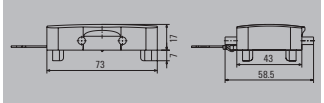
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		55	HDC 10B KBU 1M20G	1787720000
M 20	w. thread		55	HDC 10B KBU 1M20G N	2559860000

Note Note: N = Plastic locking lever with stainless steel inlay



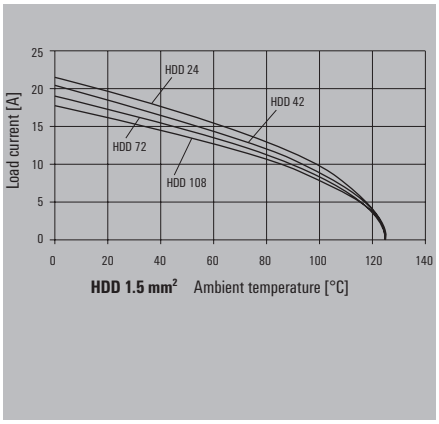
Cover

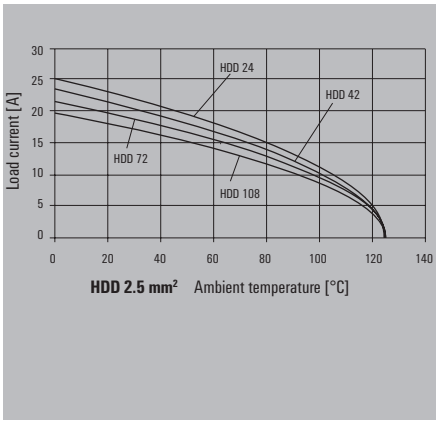
Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000



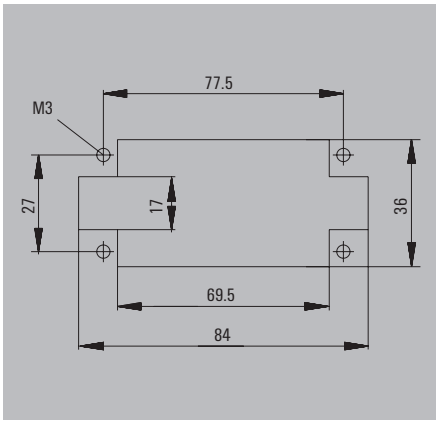
250 V, 10 A, size 6

72 + ⏚

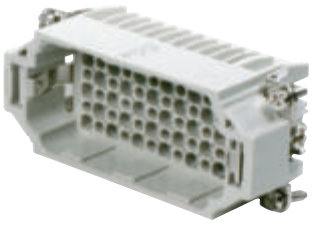


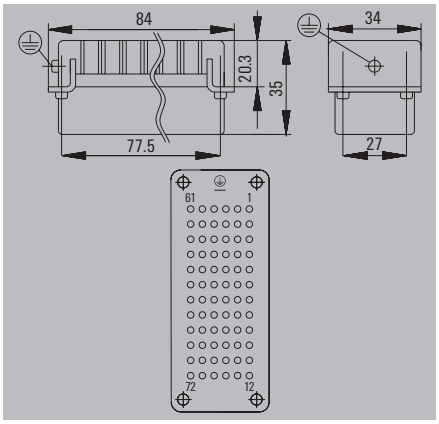


Installation cut-out



Male





Ordering data

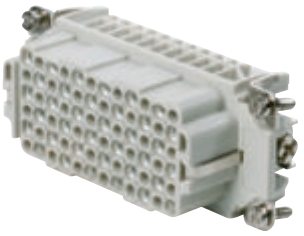
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 72 MC	1	1651190000

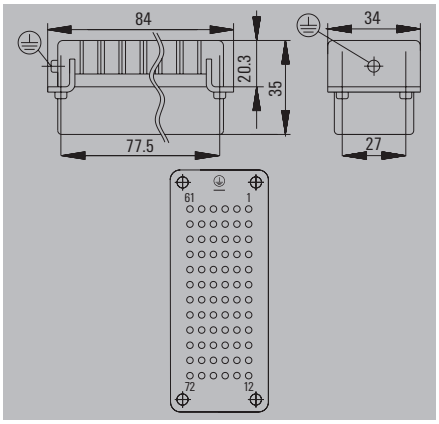
We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 72 FC	1	1651200000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

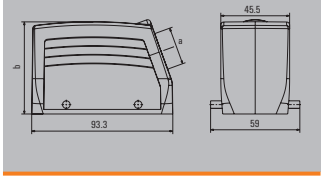
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

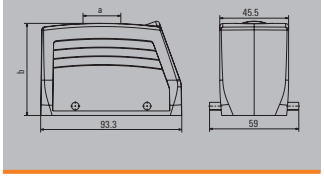
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



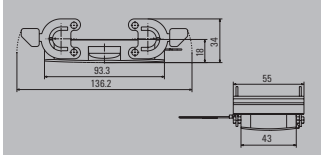
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

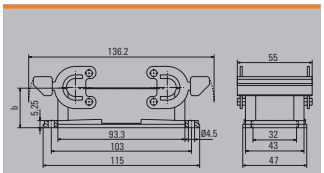


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

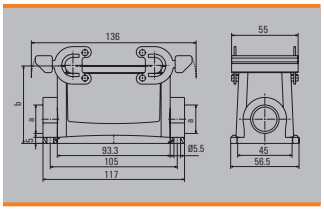
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

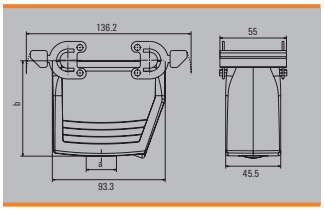
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

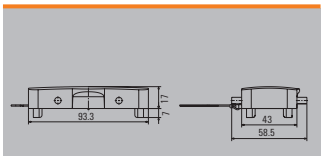
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay

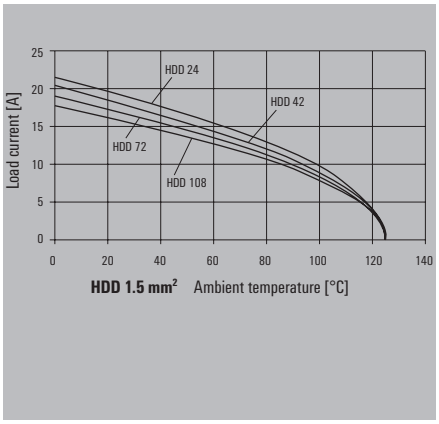


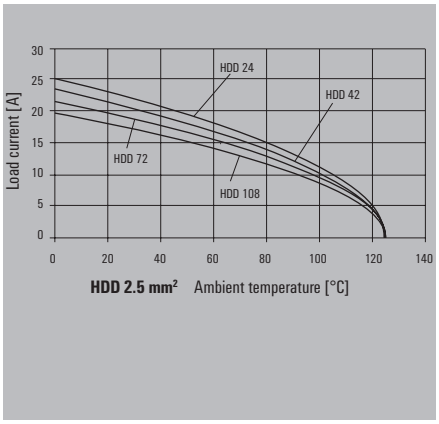
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

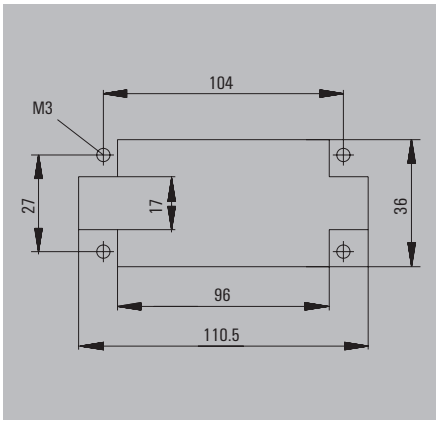


250 V, 10 A, size 8
108 + ⏚

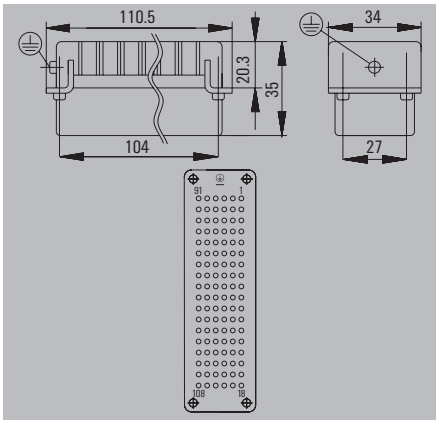




Installation cut-out



Male



Ordering data

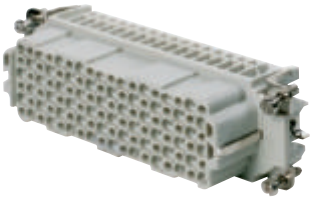
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 108 MC	1	1651210000

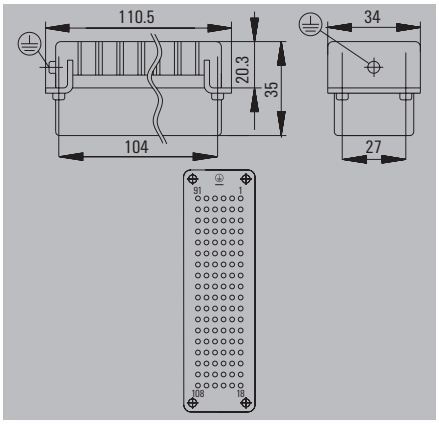
We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 108 FC	1	1651220000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

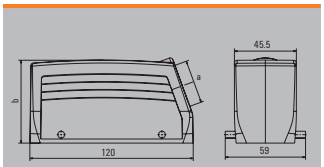
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

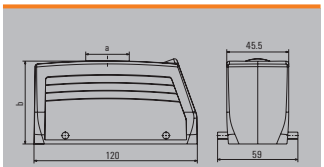
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

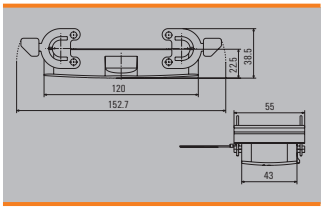
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

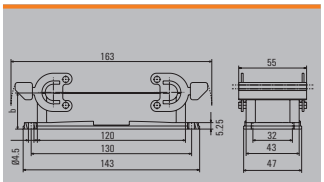


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

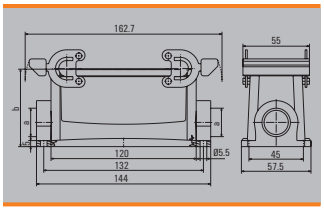
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

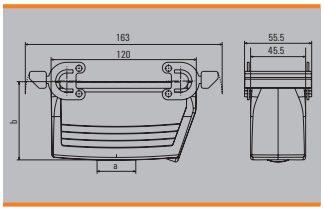
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

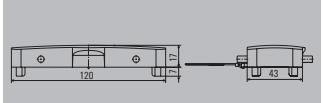
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay

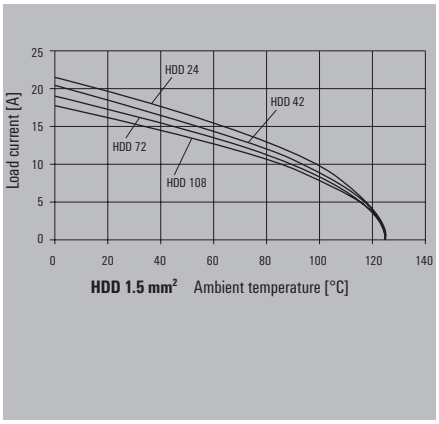


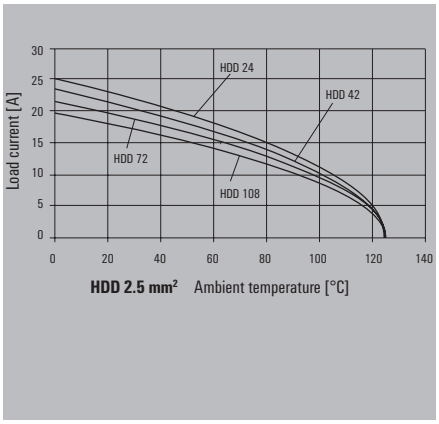
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000

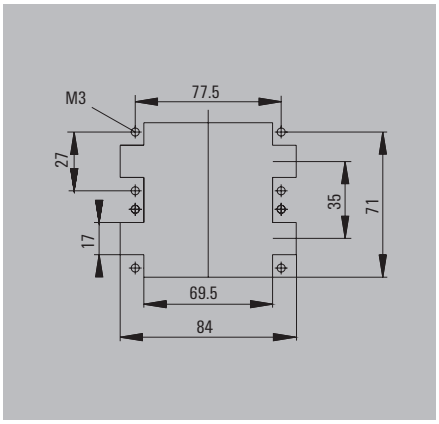


250 V, 10 A, size 10
144 + ⏚

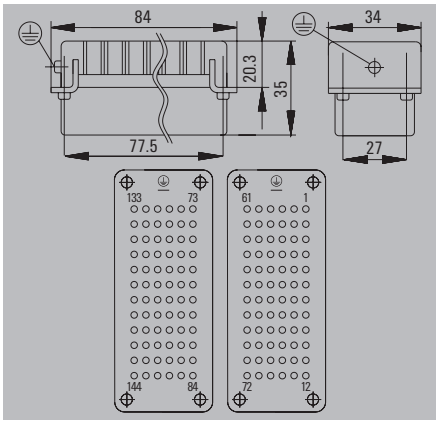




Installation cut-out



Male



Ordering data

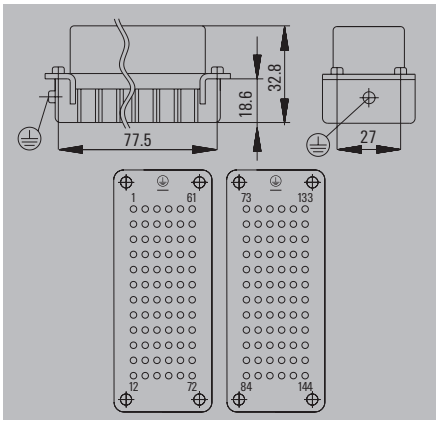
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 72 MC	1	1651190000
Crimp connection	HDC HDD 72 MC 73-144	1	1651240000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 72 FC	1	1651200000
Crimp connection	HDC HDD 72 FC 73-144	1	1651260000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

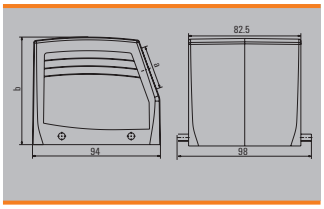
Housing selection RockStar® IP65
Size 10

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

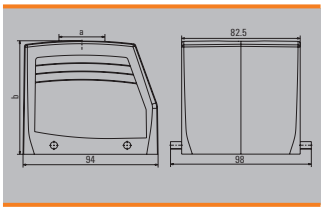
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TSBU 1M32G	1788400000
PG 29	w. thread		79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

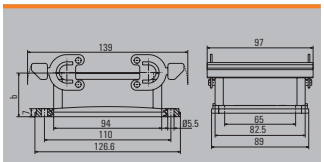
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TOBU 1M32G	1788430000
PG 29	w. thread		79	HDC 32B TOBU 1PG29G	1666870000



Base

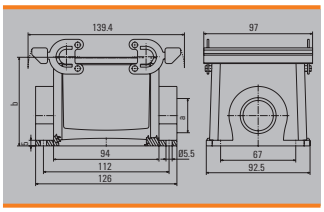
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		38	HDC 32B ABU	1217800000



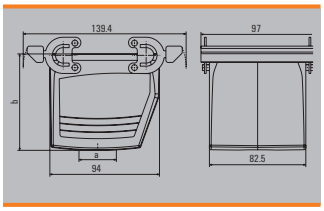
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	Side-locking		79	HDC 32B SBU 1M32G	1902600000
M 32	Side-locking		79	HDC 32B SBU 2M32G	1788460000
M 40	Side-locking		79	HDC 32B SBU 2M40G CS	1301990000
PG 29	Side-locking		79	HDC 32B SBU 2PG29G	1666920000
PG 36	Side-locking		79	HDC 32B SBU 1PG36G	1902610000
PG 36	Side-locking		79	HDC 32B SBU 2PG36G	1902640000



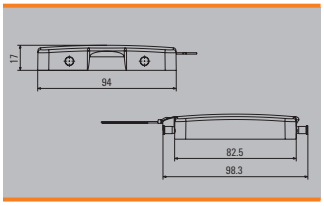
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 40	w. thread		83	HDC 32B KBU 1M40G	1902730000
PG 29	w. thread		83	HDC 32B KBU 1PG29G	1902740000
PG 36	w. thread		83	HDC 32B KBU 1PG36G	1902750000

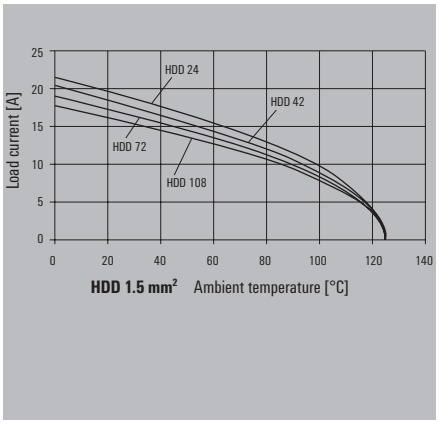


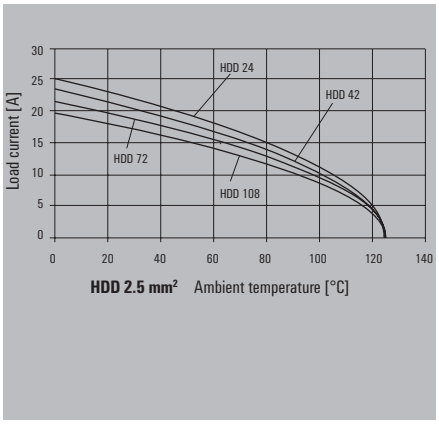
Cover

Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000

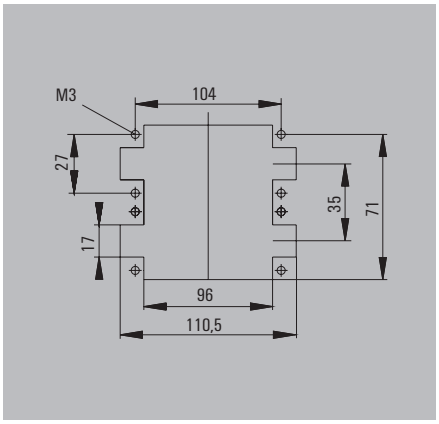


250 V, 10 A, size 12
216 + ⏚

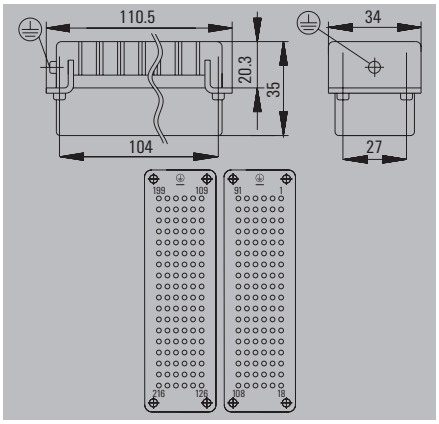




Installation cut-out



Male



Ordering data

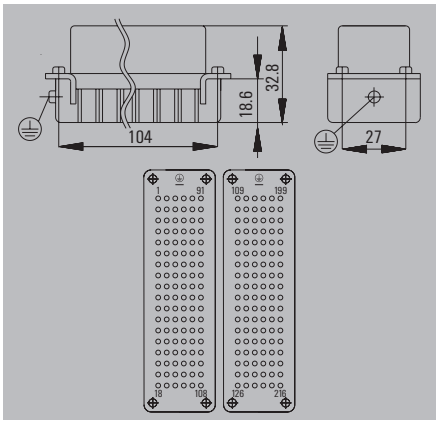
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 108 MC	1	1651210000
Crimp connection	HDC HDD 108 MC 109-216	1	1651280000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HDD 108 FC	1	1651220000
Crimp connection	HDC HDD 108 FC 109-216	1	1651300000

We recommend the use of guide pins and sockets.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000

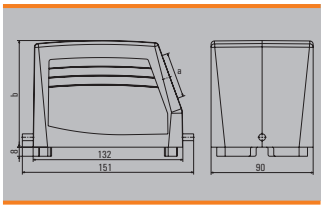
Housing selection RockStar® IP65
Size 12

For additional housings, refer to chapter D for IP65

Hood

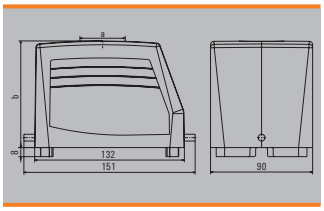
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TSLU 1M32G	1788320000
M 40	w. thread		94	HDC 48B TSLU 1M40G	1788310000
M 50	w. thread		94	HDC 48B TSLU 1M50G	1788300000



Plug housing, cable entry at top

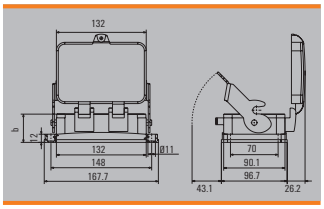
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		94	HDC 48B TOLU 1M32G	1788350000
M 50	w. thread		94	HDC 48B TOLU 1M50G	1788330000



Base

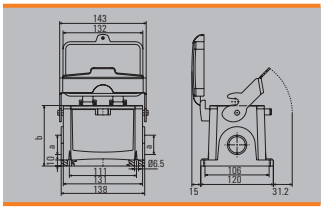
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	End-locking	with cover	62	HDC 48B ADLU	1222900000



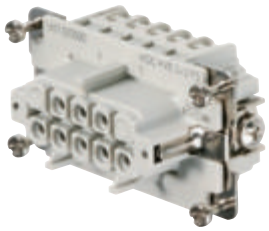
Base housing

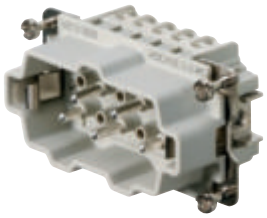
a	Version	Cover	b (mm)	Type	Order No.
M 32	End-locking		100	HDC 48B SLU 2M32G	1788370000
M 32	End-locking	with cover	120	HDC 48B SDLU 2M32G	1788390000
M 40	End-locking		100	HDC 48B SLU 2M40G	1788360000



HVE series

Weidmüller high-voltage inserts are equipped with lagging contacts. This results in more security during real operations.





Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA**
Inserts	
No. of poles	3 + 2, 6 + 2, 10 + 2
Rated voltage	830 V
Rated voltage to UL/CSA	600 V
Rated current	20 A
Rated impulse withstand voltage	8 kV
Pollution severity	3 (1000 V / 8 kV / 2)
Insulation resistance	≥ 1010 Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V-0
Mechanical service life	
– Plugging cycles Ag - Surface	≥ 500
Contact resistance	≤ 2 mΩ
Contacts/Material	
Contacts	Copper alloy
Surface	Passivated silver
Clamping range/Stripping length	
– Screw connection	0.5 – 2.5 mm2 (AWG 20 – 14) / 8 mm
– Tension clamp connection	0.25 – 2.5 mm2 (AWG 24 – 14) / 8 mm
Clamping torque	
– Screw connection	0.5 – 0.55 Nm
SD blades	
– Screw connection	0.6 x 3.5 oder PZ0
– Tension clamp connection	0.5 x 3 oder 0.6 x 3.5
PE connection	
– Clamping range	0.5 – 4 mm^2
– solid/stranded	0.5 – 4 mm^2 / 0.5 – 4 mm^2
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 4 mm^2 / 0.5 – 4 mm^2
– AWG conductor	AWG 20 – 12
– Stripping length	10 mm
– Clamping torque	1.2 – 1.5 Nm
– Blade dimensions	SD 0.8 x 4 mm oder PZ1

Note:

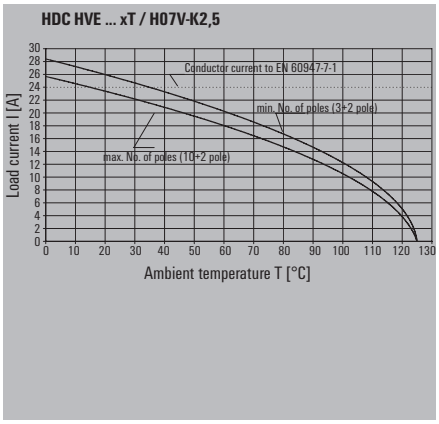
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load! Rated voltage determined on the basis of DIN EN 61984 section 6.19.2.2.
500 V for signal contact.
** For screw connection

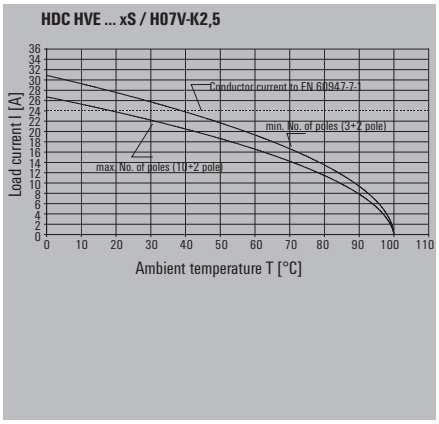
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		4	830 V	20 A	3 + 2 + ⏚	•		•			B.100
		6	830 V	20 A	6 + 2 + ⏚	•		•			B.102
		8	830 V	20 A	10 + 2 + ⏚	•		•			B.104

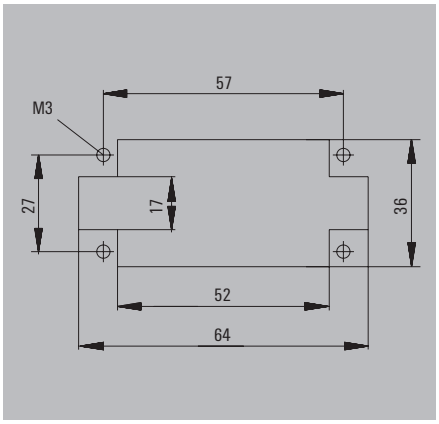
830 V, 20 A, size 4

3 + 2 + ⏚

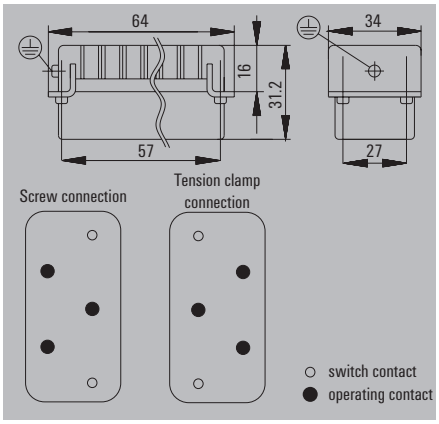




Installation cut-out



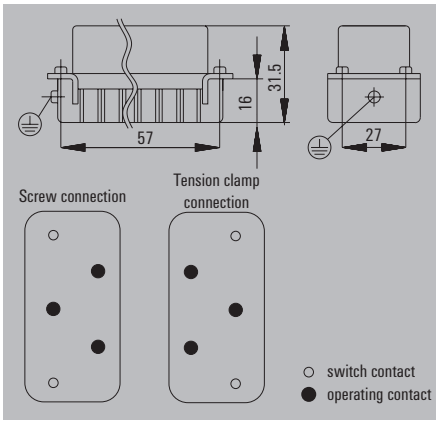
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HVE 3+2 MT CTH	1	1967230000
Screw connection	HDC HVE 3+2 MS	1	1651310000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HVE 3+2 FS	1	1651320000
Tension-clamp conn.	HDC HVE 3+2 FT CTH	1	1967220000

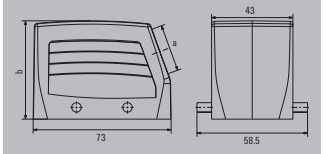
Housing selection RockStar® IP65
Size 4

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

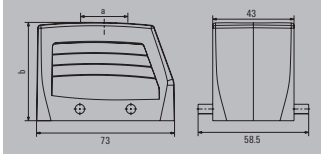
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TSBU 1M20G	1787560000
M 25	w. thread		52	HDC 10B TSBU 1M25G	1787550000
M 25	w. thread		72	HDC 24D TSBU 1M25G	1787240000
M 32	w. thread		72	HDC 24D TSBU 1M32G	1787230000



Plug housing, cable entry at top

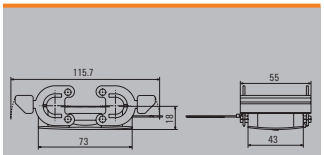
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. thread		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. thread		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. thread		72	HDC 24D TOBU 1M32G	1787290000



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	1665240000
For hoods	HDC 10B DMDQ 2QB N	2559740000

Note Note: N = Plastic locking lever with stainless steel inlay

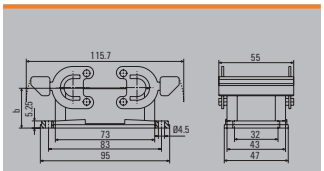


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 10B ABU	1205000000
	Side-locking		30	HDC 10B ABU N	2488580000

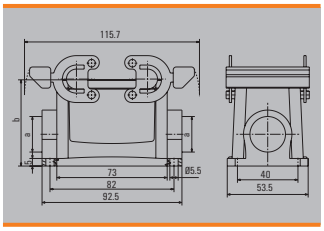
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		57	HDC 10B SBU 1M20G N	2560880000
M 20	Side-locking		57	HDC 10B SBU 2M20G	1787640000
M 20	Side-locking		57	HDC 10B SBU 2M20G N	2560890000
M 25	Side-locking		57	HDC 10B SBU 1M25G N	2560900000
M 25	Side-locking		57	HDC 10B SBU 2M25G	1787630000
M 25	Side-locking		57	HDC 10B SBU 2M25G N	2560910000

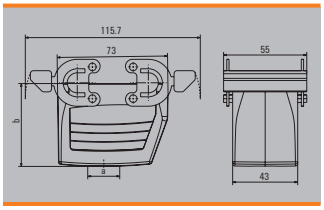
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

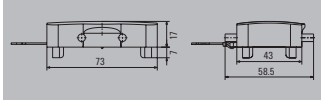
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		55	HDC 10B KBU 1M20G	1787720000
M 20	w. thread		55	HDC 10B KBU 1M20G N	2559860000

Note Note: N = Plastic locking lever with stainless steel inlay



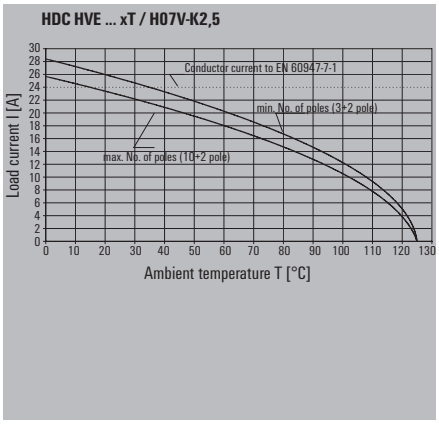
Cover

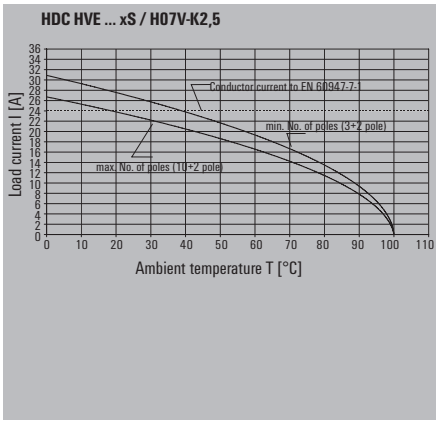
Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000



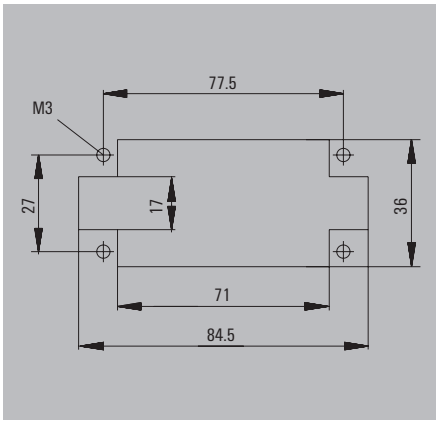
830 V, 20 A, size 6

6 + 2 + ⏚

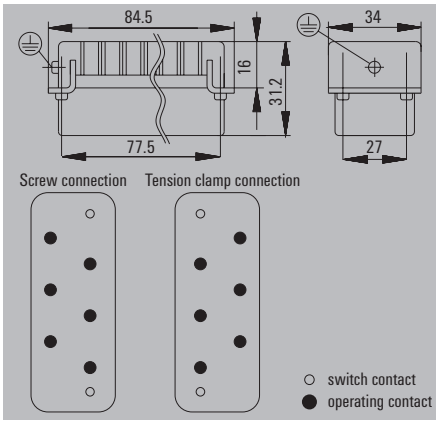




Installation cut-out



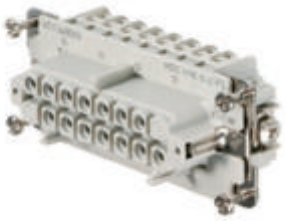
Male

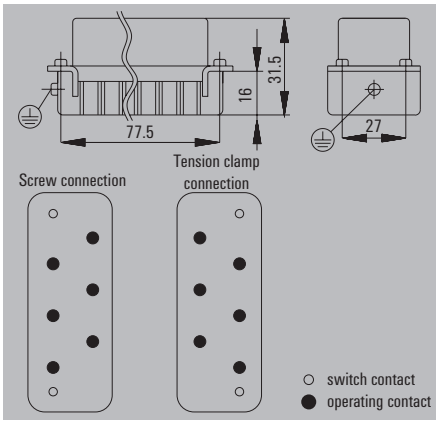


Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HVE 6+2 MS	1	1651330000
Tension-clamp conn.	HDC HVE 6+2 MT CTH	1	1967250000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HVE 6+2 FS	1	1651340000
Tension-clamp conn.	HDC HVE 6+2 FT CTH	1	1967240000

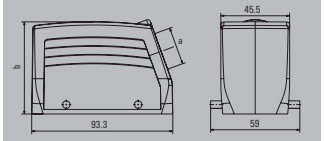
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

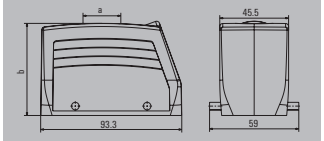
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



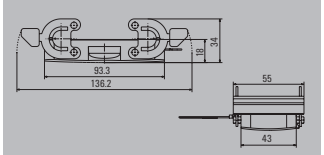
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

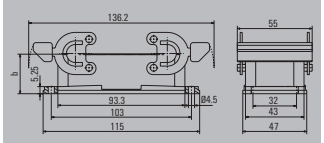


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

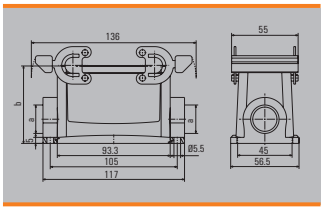
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

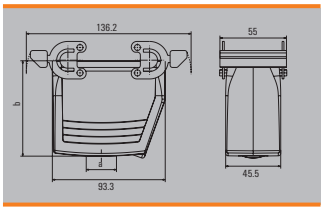
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

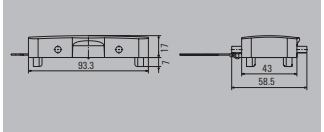
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay

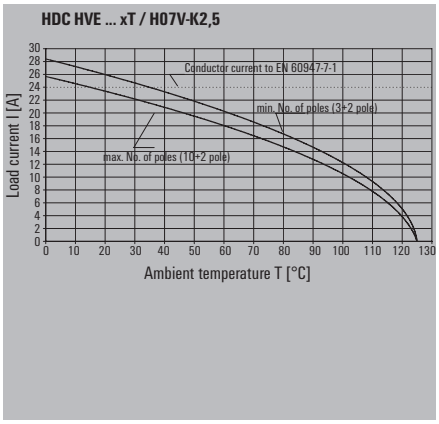


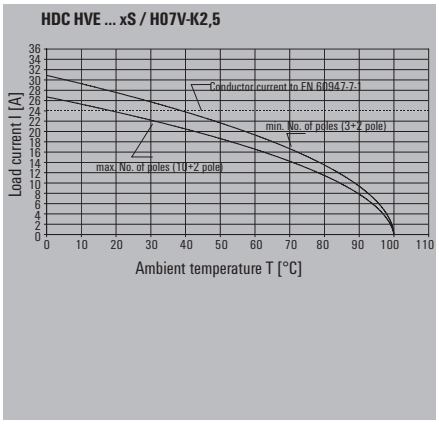
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

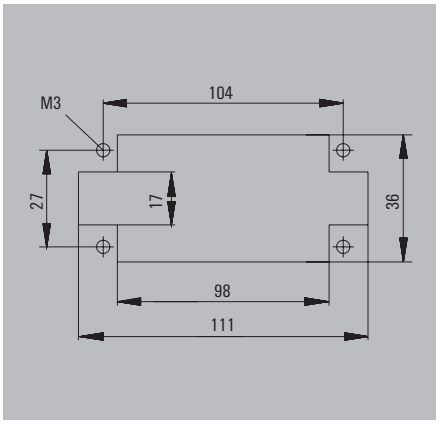


830 V, 20 A, size 8
10 + 2 + ⏚

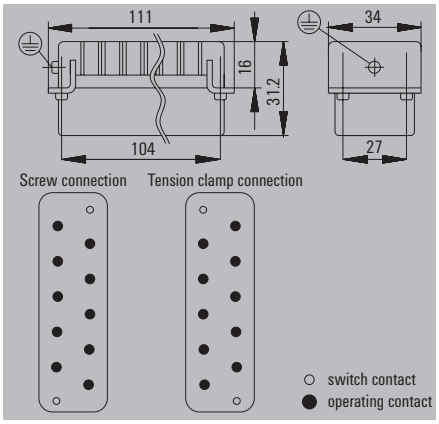




Installation cut-out



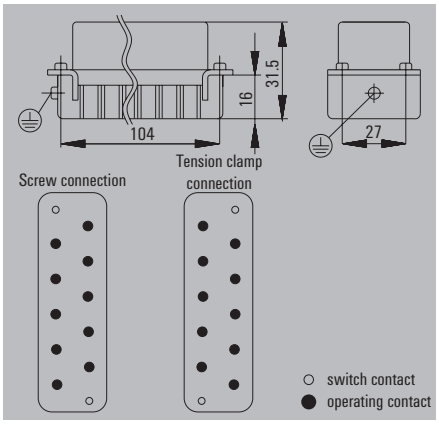
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HVE 10+2 MT CTH	1	1967210000
Screw connection	HDC HVE 10+2 MS	1	1651350000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Tension-clamp conn.	HDC HVE 10+2 FT CTH	1	1967260000
Screw connection	HDC HVE 10+2 FS	1	1651360000

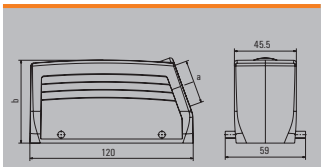
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

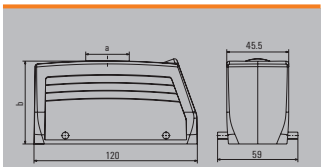
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

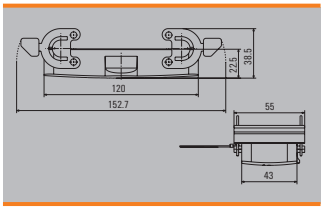
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

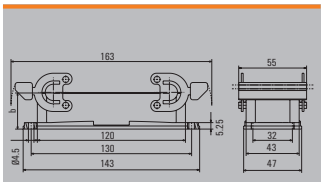


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		30	HDC 24B ABU	1212400000
	Side-locking		30	HDC 24B ABU N	2488600000

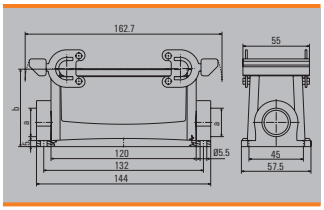
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

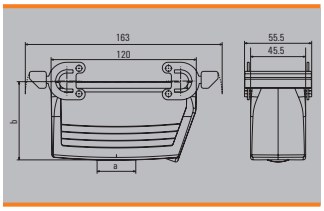
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

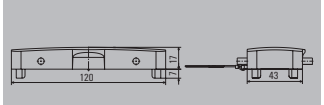
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



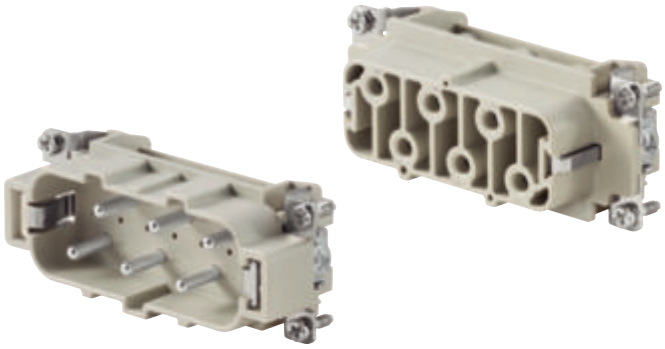
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



HSB series

Safe: Our HSB inserts are equipped with screw connections, including wire protection springs. They transmit currents up to 35 A per contact.



Technical data

Standards/approvals	
Standards	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA
Inserts	
No. of poles	6, 12
Rated voltage	400 V
Rated voltage to UL/CSA	600 V
Rated current	35 A
Rated impulse withstand voltage	6 kV
Pollution severity	3
Insulation resistance	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	-40 °C to +125 °C
Flammability to UL 94	V-0
Mechanical service life	
– Plugging cycles Ag-Surface	≥ 500
– Plugging cycles Au-Surface	≥ 500
Contact resistance	
Screw connection	≤ 2 mΩ
Contacts/Material	
Sockets and plug-in contact	Copper alloy
Surface	Passivated silver
Screw connection	
– Clamping range	0.5 – 6 mm² (AWG 20 – 10)
– Stripping length	11 mm
– flex. with wire end ferrule acc. to DIN 46228 pt. 1	4 mm²
Clamping torque	
– Screw connection	1.2 – 1.5 Nm
SD blades	0.6 x 3.5 or 0.8 x 4 mm
PE connection	
– Clamping range	0.5 – 6 mm²
– solid/stranded	0.5 – 6 mm² / 0.5 – 6 mm²
– flexible/flexible with wire end ferrule, DIN 46228 pt. 1	0.5 – 6 mm² / 0.5 – 6 mm²
– AWG conductor	AWG 20 – 10
– Stripping length	10 mm
– Clamping torque	2 – 2.5 Nm
– Blade dimensions	SD 1 x 5.5 mm or PZ2

Note:

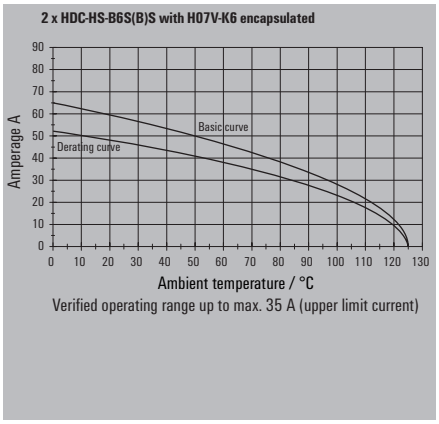
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load! When connecting flexible conductor with a screw connection, you should use ferrules, according to DIN 46228, section 1.

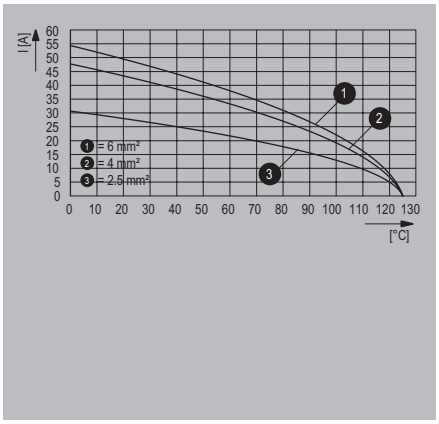
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		6	400 V	35 A	6 + ⏚			•		•	B.108
		10	400 V	35 A	12 + ⏚			•			B.110

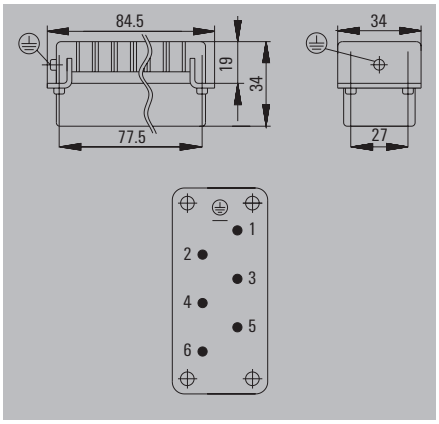
400 V, 35 A, size 6

6 + ⏚





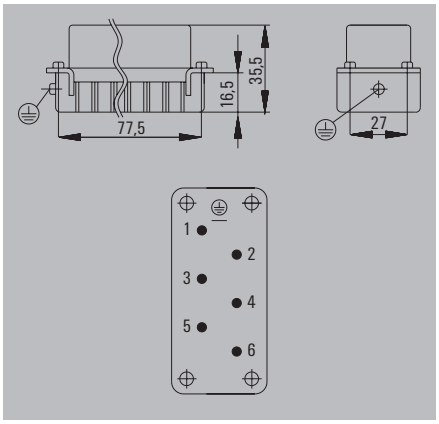
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HSB 6 MS	1	1498700000
PUSH IN	HDC HSB 6 MP	1	3023960000

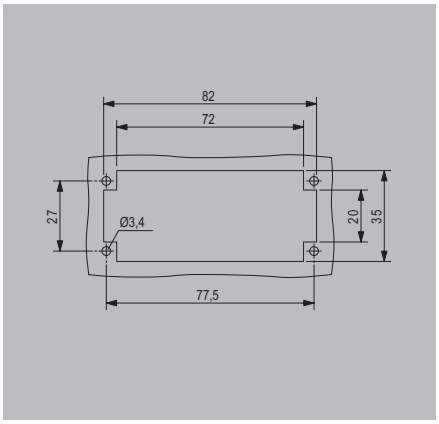
Female



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HSB 6 FS	1	1498900000
PUSH IN	HDC HSB 6 FP	1	3023970000

Installation cut-out



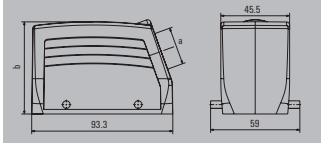
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

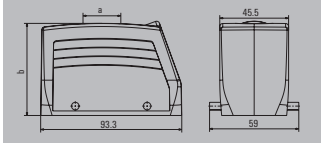
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



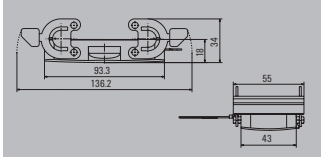
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

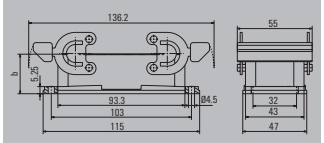


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		29.5	HDC 16B ABU	1208600000
	Side-locking		29	HDC 16B ABU N	2488590000

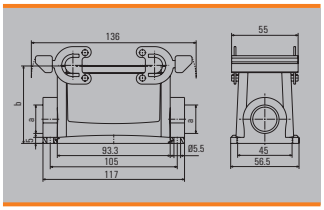
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

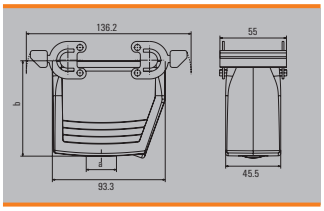
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

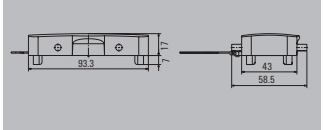
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



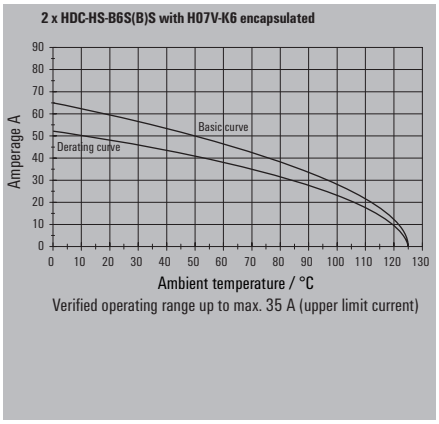
Cover

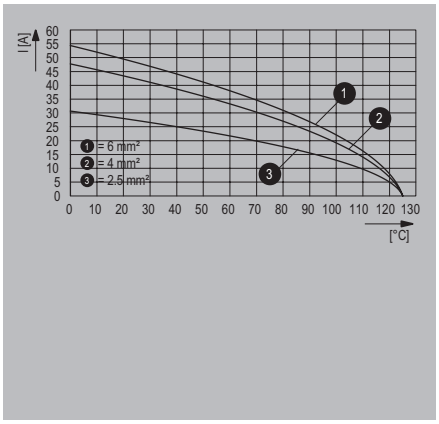
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



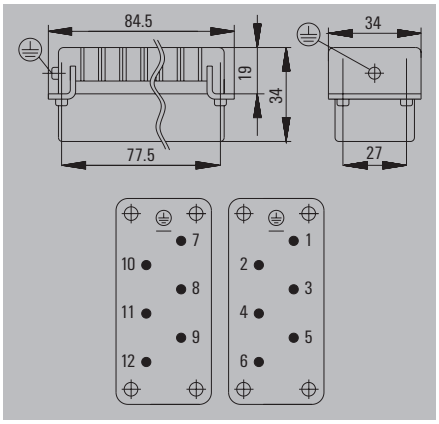
400 V, 35 A, size 10

12 + ⏚





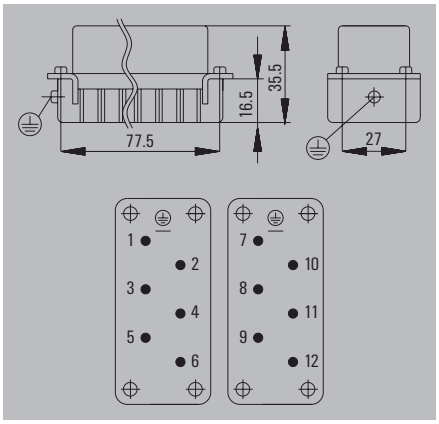
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HSB 6 MS	1	1498700000
Screw connection	HDC HSB 6 MS 7 - 12	1	1498800000

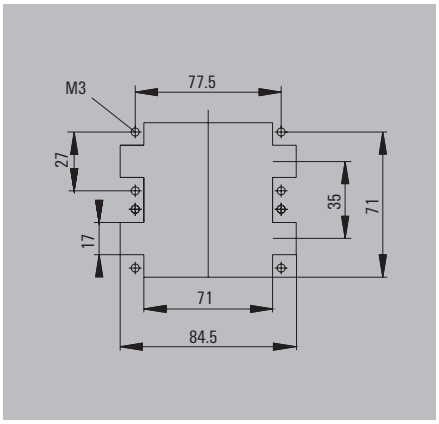
Female



Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC HSB 6 FS	1	1498900000
Screw connection	HDC HSB 6 FS 7 - 12	1	1499000000

Installation cut-out



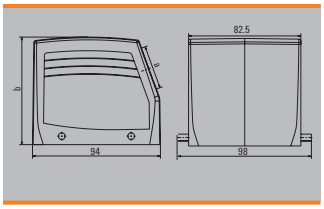
Housing selection RockStar® IP65
Size 10

For additional housings, refer to chapter D for IP65

Hood

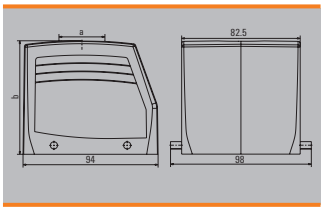
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TSBU 1M32G	1788400000
PG 29	w. thread		79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

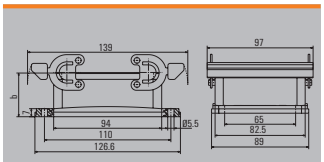
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. thread		79	HDC 32B TOBU 1M32G	1788430000
PG 29	w. thread		79	HDC 32B TOBU 1PG29G	1666870000



Base

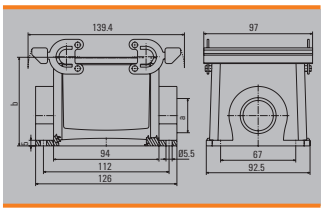
Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		38	HDC 32B ABU	1217800000



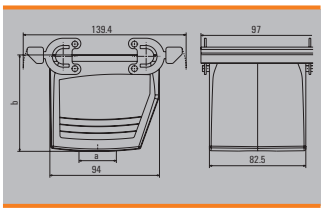
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 32	Side-locking		79	HDC 32B SBU 1M32G	1902600000
M 32	Side-locking		79	HDC 32B SBU 2M32G	1788460000
M 40	Side-locking		79	HDC 32B SBU 2M40G CS	1301990000
PG 29	Side-locking		79	HDC 32B SBU 2PG29G	1666920000
PG 36	Side-locking		79	HDC 32B SBU 1PG36G	1902610000
PG 36	Side-locking		79	HDC 32B SBU 2PG36G	1902640000



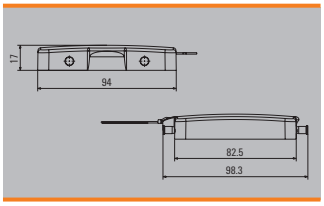
Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
M 40	w. thread		83	HDC 32B KBU 1M40G	1902730000
PG 29	w. thread		83	HDC 32B KBU 1PG29G	1902740000
PG 36	w. thread		83	HDC 32B KBU 1PG36G	1902750000



Cover

Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000



HQ series

Flexible: Our HQ inserts are the first choice when you need to implement particularly compact yet hybrid wiring solutions.

Technical data

	HQ 2 / HQ 2 HV	HQ 3	HQ 4	HQ 5
Standards/approvals				
Standards	DIN EN 61984	DIN EN 61984	DIN EN 61984	DIN EN 61984
	DIN EN 60664-1	DIN EN 60664-1	DIN EN 60664-1	DIN EN 60664-1
Approvals	UR	UR	UR	UL/CSA
Inserts				
No. of poles	2 + PE	3 + PE	4	5 + PE
Connection system	Crimp, Axial	Crimp	Crimp	Crimp, HE-contact
Rated voltage	400 V, 830 V	400 V	830 V	250 V
Rated voltage to UL/CSA	600 V	600 V	600 V	600 V
Rated current	40 A	40 A	40 A	16 A
Rated impulse withstand voltage	6 kV	6 kV	6 kV	4 kV
Pollution severity	3	3	3	3
Insulation resistance				≥ 10^{19} Ω
Material	PC	PC	PC	PC glass-fibre reinforced
Temperature range	-40°C to +125°C	-40°C to +125°C	-40°C to +125°C	-40° to +125° C
Flammability to UL 94	V-0	V-0	V-0	V-0
Mechanical service life				
– Plugging cycles Ag - Surface	≥ 500	≥ 500	≥ 500	≥ 500
– Plugging cycles Au - Surface				≥ 500
Volume (continuity) resistance of crimp connection				≤ 2 mΩ
Contacts/Material				
Sockets and plug-in contact	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Surface	Silver passivated	Silver passivated	Silver passivated	Passivated silver
Crimp connection				
– Performance power range	1.5 mm² – 10 mm²	1.5 mm² – 6 mm²	1.5 mm² – 6 mm²	0.5 – 4 mm² (AWG 20 – 12)
– Signal range	x	x	x	
– Stripping length	6 mm	9 mm	9 mm	7.5 mm
PE connection				
– Clamping range				0,5 – 2,5 mm²
– solid core/stranded				0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– flexible/flexible with ferrule				0.5 – 2.5 mm² / 0.5 – 2.5 mm²
– AWG conductor				AWG 20 – 14
– Stripping length				10 mm
– Clamping torque	0.5 Nm – 1.5 Nm	0.5 Nm – 0.8 Nm	0.5 Nm – 0.8 Nm	0.5 – 0.55 Nm
– Blade dimensions				SD 0.8 x 4 mm
Accessories and tools				
Crimping tools used	9205430000 CTIN CM 1,6/2,5	9205430000 CTIN CM 1,6/2,5	9205430000 CTIN CM 1,6/2,5	9205430000 CTIN CM 1.6/2.5
				9018490000 CTX CM 1.6/2.5
Screwdriver				
Removal tool for crimps				1866750000 Removal Tool HE

Note:
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

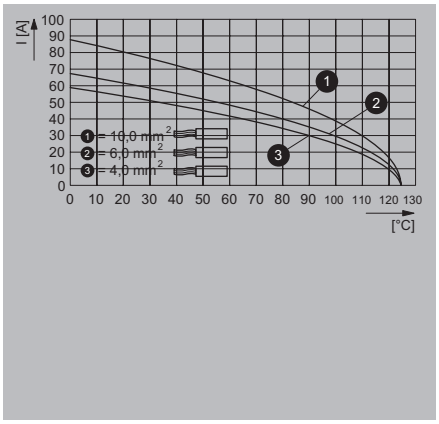
HQ 7	HQ 12	HQ 8	HQ 4/2	HQ 17
DIN EN 61984	DIN EN 61984	DIN EN 61984	DIN EN 61984	DIN EN 61984
DIN EN 60664-1	DIN EN 60664-1	DIN EN 60664-1	DIN EN 60664-1	DIN EN 60664-1
UL/CSA	UL/CSA	UL/CSA/ISO 23570	UL/CSA/ISO 23570	UL/CSA
7 + PE	12 + PE	8 + PE	4 Leistung, 2 Signale + PE	17 + PE
Crimp, HD-contact	Crimp, HD-contact	Crimp, HE-contact	Crimp, HX-/HD-contact	Crimp, HD-contact
400 V	400 V	500 V	690 V, 250 V	250 V
600 V	600 V	600 V	600 V	600 V
10 A	10 A	16 A	40/10 A	10 A
6 kV	6 kV	6 kV	6 kV/4 kV	4 kV
3	3	3	3	2
≥ 10^{19} Ω	≥ 10^{19} Ω	≥ 10^{19} Ω	≥ 10^{19} Ω	≥ 10^{19} Ω
PC glass-fibre reinforced	PA glass-fibre reinforced	PC glass-fibre reinforced	PC glass-fibre reinforced	PC glasfaserverstärkt
–40° to +125° C	–40° to +125° C	–40° to +125° C	–40° to +125° C	–40° to +125° C
V-0	V-0	V-0	V-0	V-0
≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
≤ 4 mΩ	≤ 4 mΩ	≤ 2 mΩ	≤ 1 mΩ/≤ 4 mΩ	≤ 4 mΩ
Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Passivated silver/gold	Passivated silver/gold	Passivated silver	Passivated silver/gold	Passivated silver/gold
		0.5 – 4 mm² (AWG 20...12)	1.5 – 6 mm² (AWG 16...10)	
0.14 – 2.5 mm² (AWG 26 – 14)	0.14 – 2.5 mm² (AWG 26 – 14)		0.14 – 2.5 mm² (AWG 26 – 14)	0.14 – 2.5 mm² (AWG 26 – 14)
8.0 mm	8.0 mm	7.5 mm	9 mm/8 mm	8.0 mm
		Crimp	Crimp	Crimp
0,14 – 2,5 mm²	0.14 – 2.5 mm²	0.5 – 4 mm²	1.5 – 6 mm²	0.14 – 2.5 mm²
0.14 – 2.5 mm²	0.14 – 2.5 mm²	0.5 – 4 mm²		
0.14 – 2.5 mm²	0.14 – 2.5 mm²	0.5 – 4 mm²		
AWG 26 – 14	AWG 26 – 14	AWG 20 – 12	AWG 16 – 10	AWG 26 – 14
5 mm	5 mm	7.5 mm	9 mm	8 mm
0.5 – 0.55 Nm	0.5...0.55 Nm			
SD 0.8 x 4 mm	SD 0.8 x 4 mm			
9205430000 CTIN CM 1.6/2.5	9205430000 CTIN CM 1.6/2.5	9205430000 CTIN CM 1.6/2.5	9205430000 CTIN CM 1.6/2.5	9205430000 C TIN CM 1.6/2.5
9018490000 CTX CM 1.6/2.5	9018490000 CTX CM 1.6/2.5	9018490000 CTX CM 1.6/2.5	9205440000 CTIN CM 3.6	9018490000 CTX CM 1.6/2.5
			9018490000 CTX CM 1.6/2.5	
		Version Crosshead, shape H	Version Crosshead, shape H	Version Crosshead, shape H
		Sheet metal screw: ISO 7049-ST 2.9 x 9.5-F-H	Sheet metal screw: ISO 7049-ST 2.9 x 9.5-F-H	Sheet metal screw: ISO 7049-ST 2.9 x 9.5-F-H
1866730000 Removal Tool HD	1866730000 Removal Tool HD	1866750000 Removal Tool HE	1002990000 Removal Tool HX	1866730000 Removal Tool HD
			1866730000 Removal Tool HD	

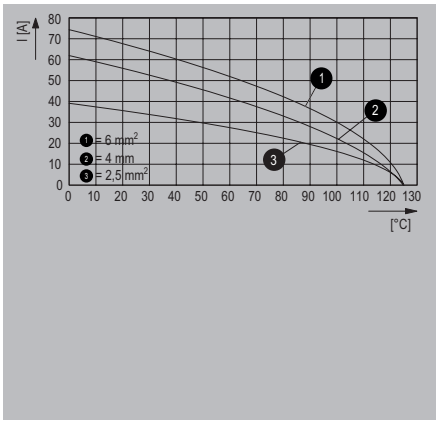
Overview

		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Axial screw connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
		1	400 V	40 A	2 + ⏚			•		•		B.116
		1	400 V	40 A	3 + ⏚					•		B.118
		1	830 V	40 A	4					•		B.120
		1	250 V	16 A	5 + ⏚					•	•	B.122
		1	400 V	10 A	7 + ⏚					•		B.124
		1	400 V	10 A	12 + ⏚					•		B.126
		HQ	500 V	16 A	8 + ⏚					•	•	B.128
		HQ	250 V	10 A	17 + ⏚					•		B.130
		HQ	690/250 V	40/10 A	4 + 2 + ⏚					•		B.132

400 V, 40 A, size 1

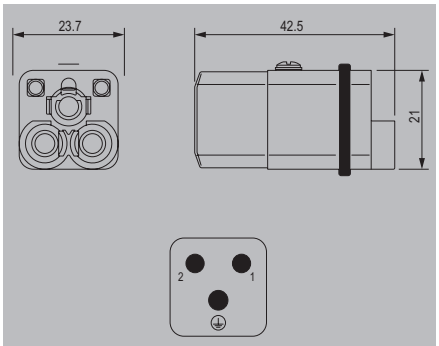
2 + ⏚





Installation cut-out

Male



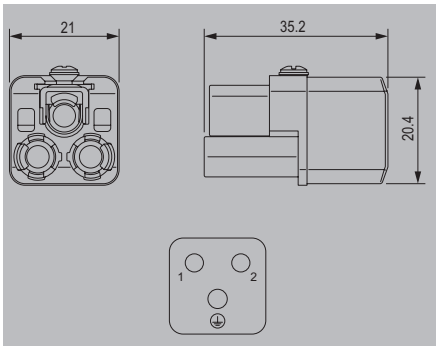
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 2 MC	1	3103500000
Axial screw connection	HDC HQ 2 MAS	1	3100530000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - silver		
HDC C HX SM1.5AG	25	1002910000
HDC C HX SM2.5AG	25	1002920000
HDC C HX SM4.0AG	25	1002930000
HDC C HX SM6.0AG	25	1002940000
HDC C HX SM10.0AG	25	1526150000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 2 FC	1	3103510000
Axial screw connection	HDC HQ 2 FAS	1	3100750000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - silver		
HDC C HX BM1.5AG	25	1002950000
HDC C HX BM4.0AG	25	1002970000
HDC C HX BM6.0AG	25	1002980000
HDC C HX BM10.0AG	25	1526190000

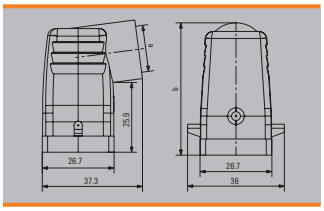
Housing selection RockStar® IP65
Size 1

For additional housings, refer to Chapter D for IP65 / Chapter F for IP68 EMC

Plug housing, cable entry sideways

Material: Plastic

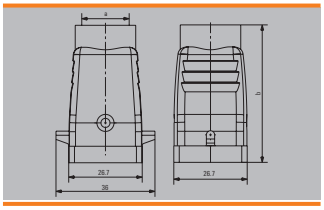
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TWLU 1M20G	1788510000



Plug housing, cable entry at top

Material: Plastic

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TOLU 1M20G	1788520000

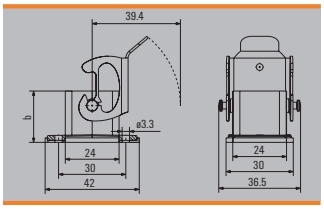


Base

Bulkhead housing

Material: Plastic

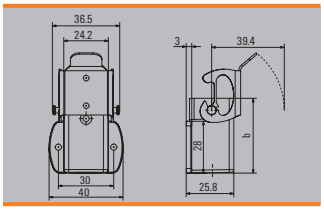
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 07A ALU	1652410000



Base housing

Material: Plastic

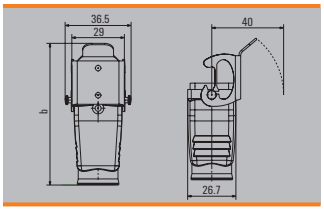
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 07A SLU 1M20G	1788530000



Coupling housing

Material: Plastic

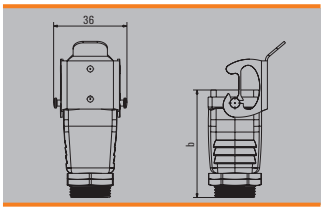
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 07A KOLU 1M20G	1788540000



Screw mounting housing

Material: Plastic

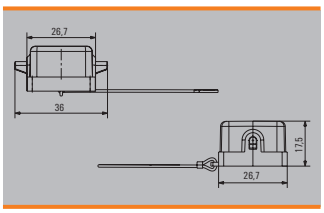
a	Version	Cover	b (mm)	Type	Order No.
PG 13.5	w. thread		54	HDC 07A ELU 1PG13G	1900990000



Cover

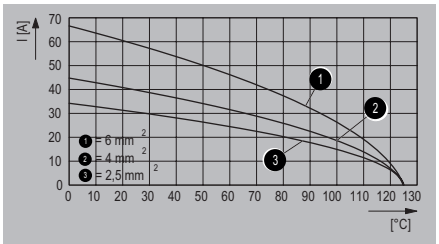
Material: Plastic

Version	Type	Order No.
with female	HDC 07A DMDL 2BO	1665770000
with male	HDC 07A DODL 2BO	1665760000



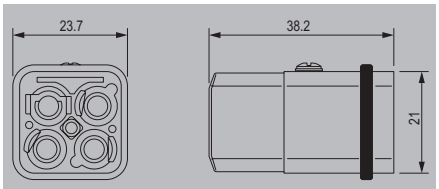
400 V, 40 A, size 1

3 + ⏚



Installation cut-out

Male



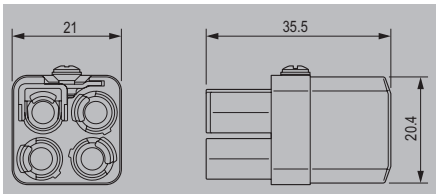
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 3 MC	1	3103520000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - silver		
HDC C HX SM1.5AG	25	1002910000
HDC C HX SM2.5AG	25	1002920000
HDC C HX SM4.0AG	25	1002930000
HDC C HX SM6.0AG	25	1002940000
HDC C HX SM10.0AG	25	1526150000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 3 FC	1	3103530000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - silver		
HDC C HX BM1.5AG	25	1002950000
HDC C HX BM4.0AG	25	1002970000
HDC C HX BM6.0AG	25	1002980000
HDC C HX BM10.0AG	25	1526190000

Housing selection RockStar® IP65
Size 1

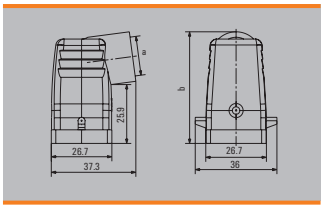
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

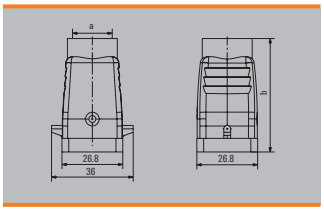
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

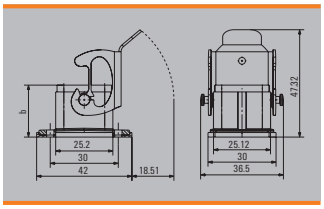


Base

Bulkhead housing

Material: diecast aluminium

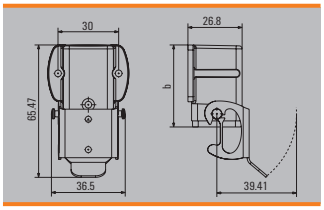
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

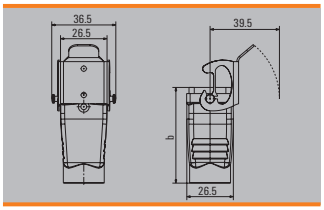
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

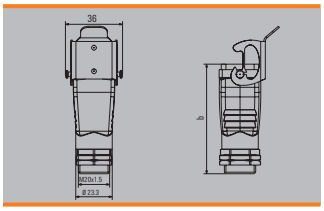
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

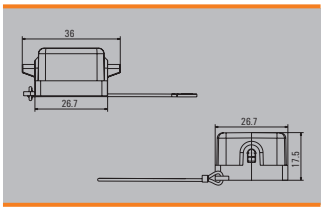
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



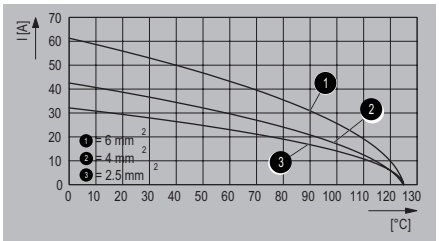
Cover

Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000

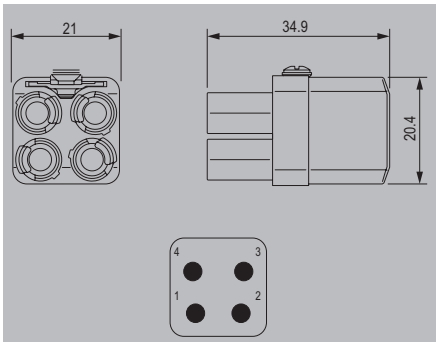


830 V, 40 A, size 1
4



Installation cut-out

Male



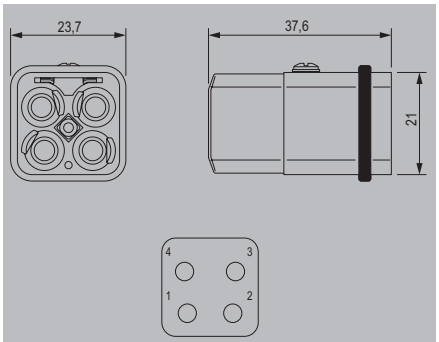
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 4 MC	1	3103540000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - silver		
HDC C HX SM1.5AG	25	1002910000
HDC C HX SM2.5AG	25	1002920000
HDC C HX SM4.0AG	25	1002930000
HDC C HX SM6.0AG	25	1002940000
HDC C HX SM10.0AG	25	1526150000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp contact	HDC HQ 4 FC	1	3103550000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - silver		
HDC C HX BM1.5AG	25	1002950000
HDC C HX BM4.0AG	25	1002970000
HDC C HX BM6.0AG	25	1002980000
HDC C HX BM10.0AG	25	1526190000

Housing selection RockStar® IP65
Size 1

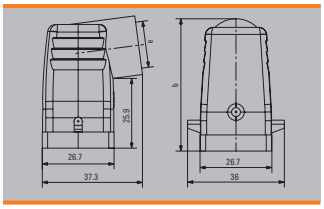
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: Plastic

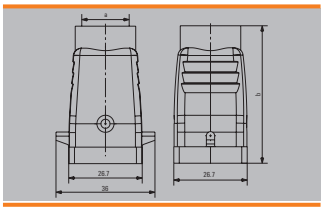
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TWLU 1M20G	1788510000



Plug housing, cable entry at top

Material: Plastic

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 07A TOLU 1M20G	1788520000

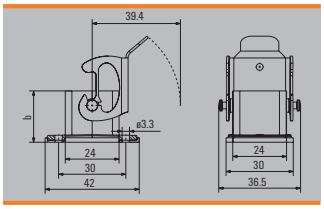


Base

Bulkhead housing

Material: Plastic

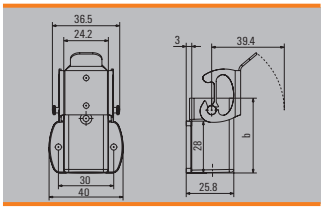
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 07A ALU	1652410000



Base housing

Material: Plastic

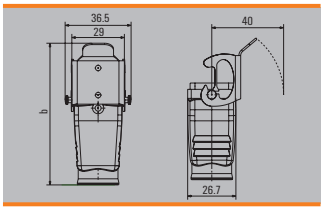
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 07A SLU 1M20G	1788530000



Coupling housing

Material: Plastic

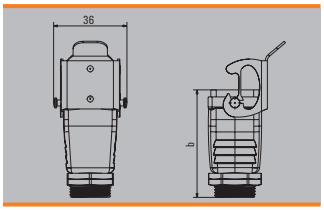
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 07A KOLU 1M20G	1788540000



Screw mounting housing

Material: Plastic

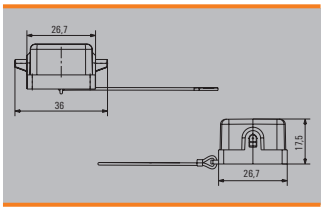
a	Version	Cover	b (mm)	Type	Order No.
PG 13.5	w. thread		54	HDC 07A ELU 1PG13G	1900990000



Cover

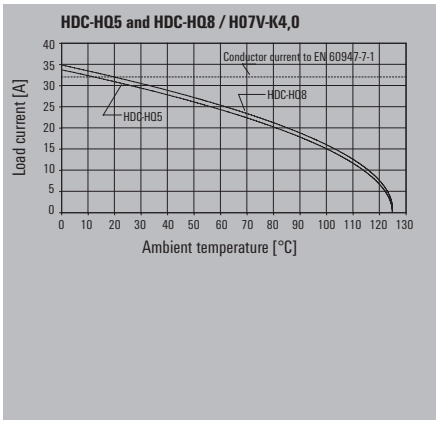
Material: Plastic

Version	Type	Order No.
with female	HDC 07A DMDL 2BO	1665770000
with male	HDC 07A DODL 2BO	1665760000



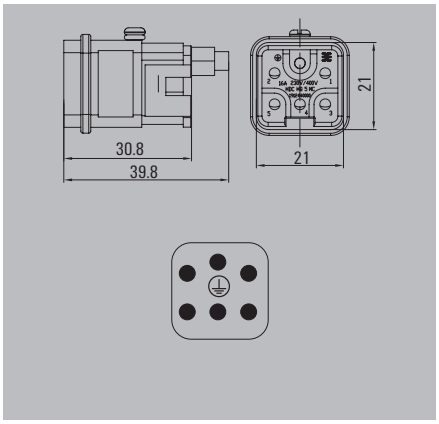
250 V, 16 A, size 1

5 + ⏚



Installation cut-out

Male



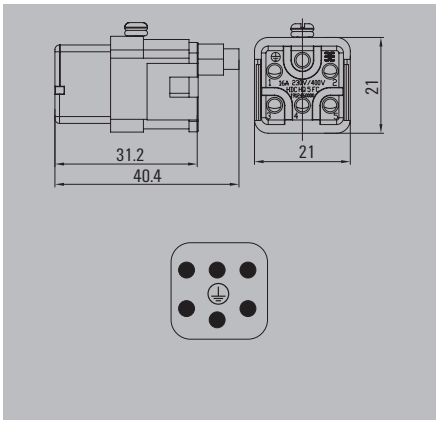
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 5 MC	1	1912440000
PUSH IN	HDC HQ 5 MP	1	3023900000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Coding pins		
HDC HE CP	100	1003240000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 5 FC	1	1912460000
PUSH IN	HDC HQ 5 FP	1	3023890000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HE	1	1866750000

Housing selection RockStar® IP65
Size 1

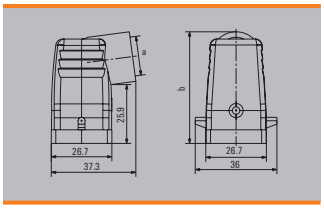
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

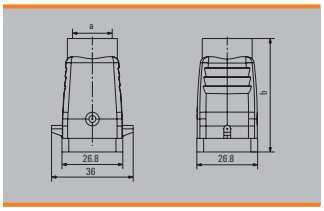
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

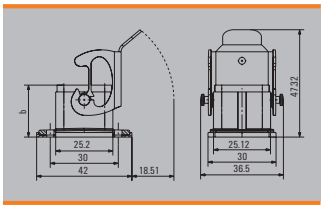


Base

Bulkhead housing

Material: diecast aluminium

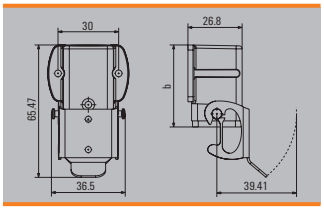
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

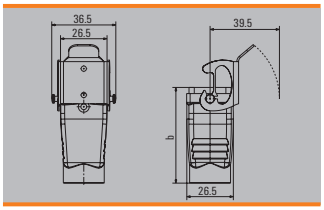
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

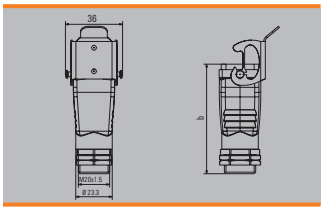
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

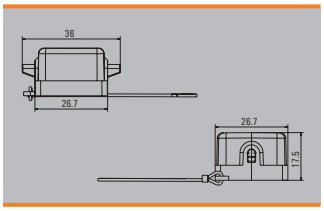
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

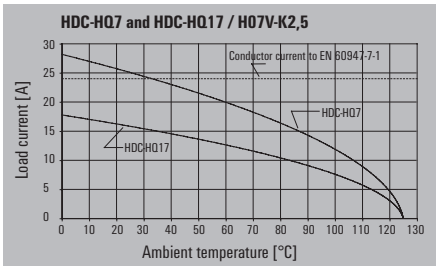
Material: diecast aluminium

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000



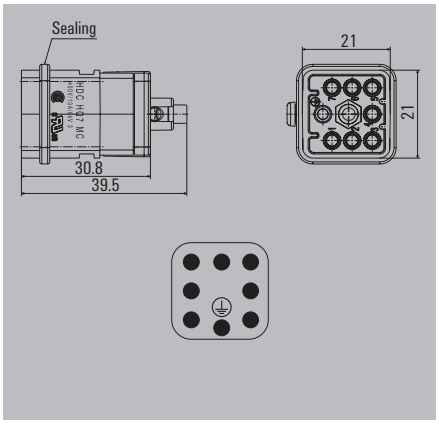
400 V, 10 A, size 1

7 + ⏚



Installation cut-out

Male



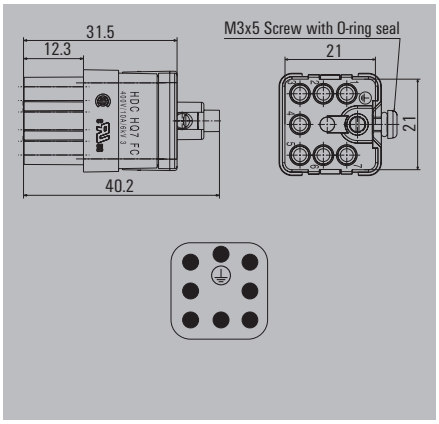
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 7 MC	1	1003190000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Coding pins		
HDC HQ 7 CPM	50	1003230000
HDC HQ 7 CPF	50	1003220000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 7 FC	1	1003180000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Coding pins		
HDC HQ 7 CPM	50	1003230000
HDC HQ 7 CPF	50	1003220000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Housing selection RockStar® IP65
Size 1

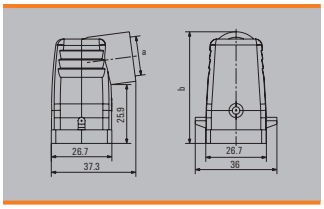
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: diecast aluminium

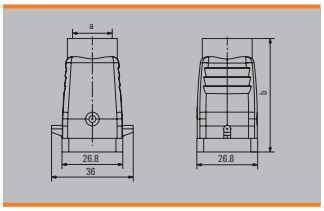
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TWLU 1M20G	1788810000



Plug housing, cable entry at top

Material: diecast aluminium

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		50	HDC 04A TOLU 1M20G	1788820000

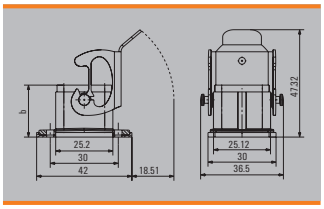


Base

Bulkhead housing

Material: diecast aluminium

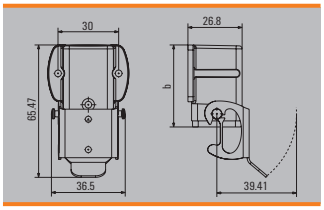
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		23	HDC 04A ALU	1497600000



Base housing

Material: diecast aluminium

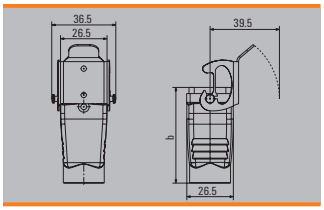
a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		42	HDC 04A SLU 1M20G	1788830000



Coupling housing

Material: diecast aluminium

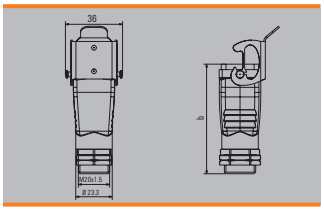
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A KOLU 1M20G	1788840000



Screw mounting housing

Material: diecast aluminium

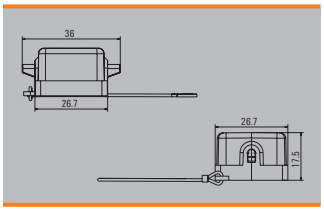
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		54	HDC 04A ELU 1M20G	1900320000



Cover

Material: diecast aluminium

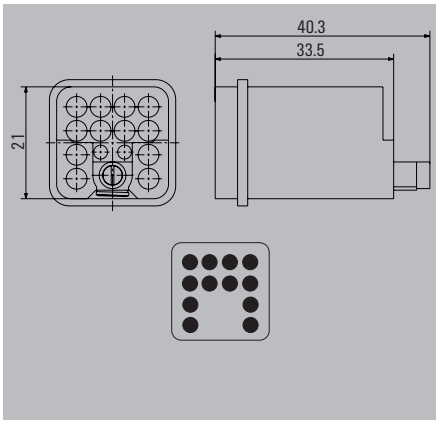
Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000



400 V, 10 A, size 1

12 + ⏚

Male



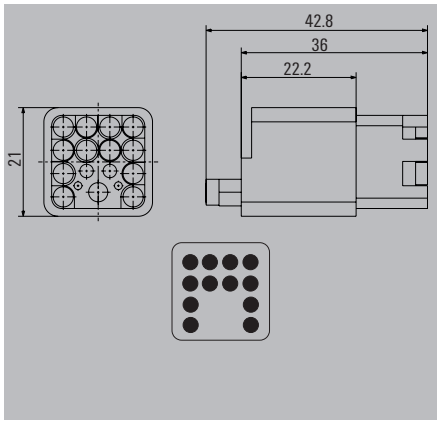
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 12 MC	10	1993810000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 12 FC	10	1993820000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Installation cut-out

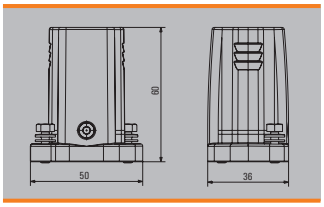
Housing selection RockStar® IP68
Size 1

For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry at top

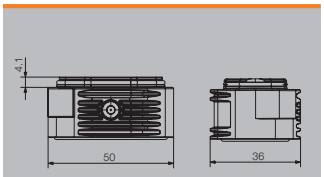
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		60	HDC IP68 04A TOS 1M20	1082390000
M 25	w. thread		60	HDC IP68 04A TOS 1M25G	1513390000
PG 13.5	w. thread		60	HDC IP68 04A TOS 1PG13	1082410000



Base

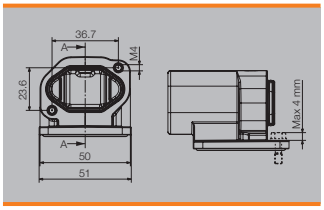
Bulkhead housing

a	Version	Cover	b (mm)	Type	Order No.
			24	HDC IP68 04A AS	1081470000



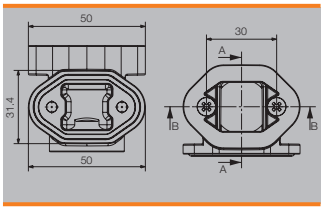
Angled bulkhead housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		44	HDC IP68 04A AWS 1M20	1081480000
	w. thread		44	HDC IP68 04A AWS	1081490000
M 25	w. thread		44	HDC IP68 04A AWS 1M25	2430170000



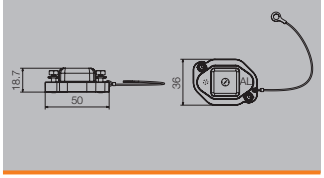
Adapter

a	Version	Cover	b (mm)	Type	Order No.
			39	HDC IP68 04A ADS	1083130000



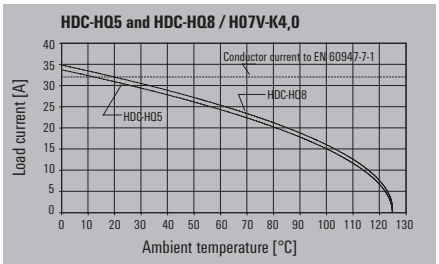
Cover

Version	Type	Order No.
Cover for lower part of housing	HDC IP68 04A COVER	1083110000



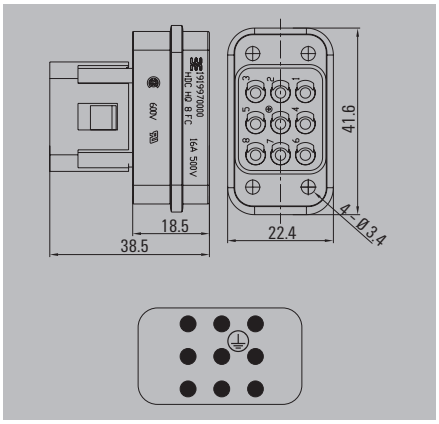
500 V, 16 A, size HQ

8 + ⏚



Installation cut-out

Male



Ordering data

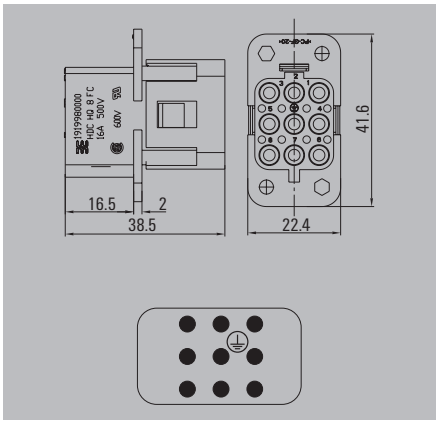
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 8 MC	1	1919970000
PUSH IN	HDC HQ 8 MP	1	2937360000

HDC HQ 8 MP and FP are only compatible with housings 2937380000 and 2937390000, as the inserts feature a plastic insulation ring.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	1651420000
HDC-C-HE-SM0.75-1.00AU	100	1651430000
HDC-C-HE-SM1.5AU	100	1651440000
HDC-C-HE-SM2.5AU	100	1651450000
HDC-C-HE-SM4.0AU	100	1651460000
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	1200500000
HDC-C-HE-SM0.75-1.00AG	100	1200600000
HDC-C-HE-SM1.5AG	100	1200700000
HDC-C-HE-SM2.5AG	100	1200800000
HDC-C-HE-SM4.0AG	100	1200900000
Coding pins		
HDC HE CP	100	1003240000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HE	1	1866750000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 8 FC	1	1919980000
PUSH IN	HDC HQ 8 FP	1	2937350000

HDC HQ 8 MP and FP are only compatible with housings 2937380000 and 2937390000, as the inserts feature a plastic insulation ring.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	1651470000
HDC-C-HE-BM0.75-1.00AU	100	1651480000
HDC-C-HE-BM1.5AU	100	1651490000
HDC-C-HE-BM2.5AU	100	1651500000
HDC-C-HE-BM4.0AU	100	1651510000
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	1201100000
HDC-C-HE-BM0.75-1.00AG	100	1201200000
HDC-C-HE-BM1.5AG	100	1201300000
HDC-C-HE-BM2.5AG	100	1201400000
HDC-C-HE-BM4.0AG	100	1201500000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HE	1	1866750000

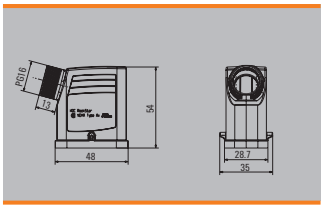
Housing selection RockStar® IP65
Size HQ

For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

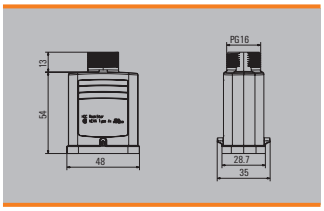
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		54	HDC HQP TSLU 1PG16	1003090000



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		67	HDC HQP TOLU 1PG16	1003070000

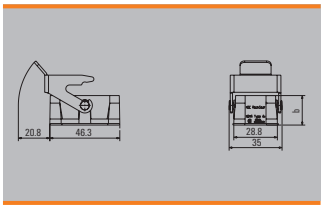


Base

Bulkhead housing

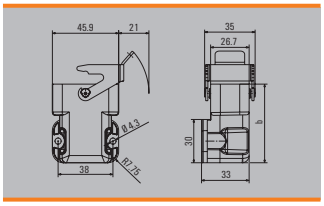
	Version	Cover	b (mm)	Type	Order No.
	Side-locking		20	HDC HQP ALU	1003040000

Note CS: with lockable lever



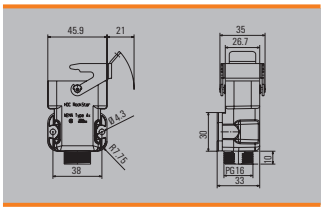
Bulkhead housing angled

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		55	HDC HQP AWLU	1003060000



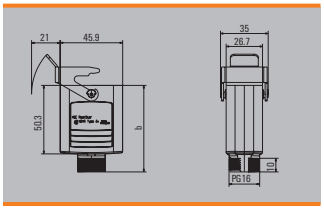
Base housing

a	Version	Cover	b (mm)	Type	Order No.
PG 16	Side-locking		55	HDC HQP SLU 1PG16	1003110000



Coupling housing

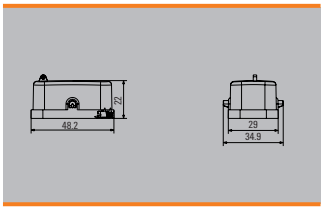
a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		64	HDC HQP KOLU 1PG16	1003120000



Cover

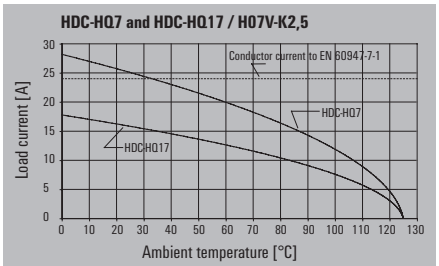
Version	Type	Order No.
with female	HDC HQP DMD 2BO	1003130000
with male	HDC HQP DOD 2BO	1003140000

Note CS: for plastic and metal housings, for lockable lever, not for PUSH IN



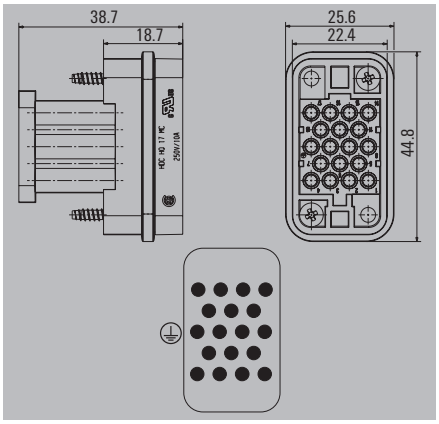
250 V, 10 A, size HQ

17 + ⏚



Installation cut-out

Male



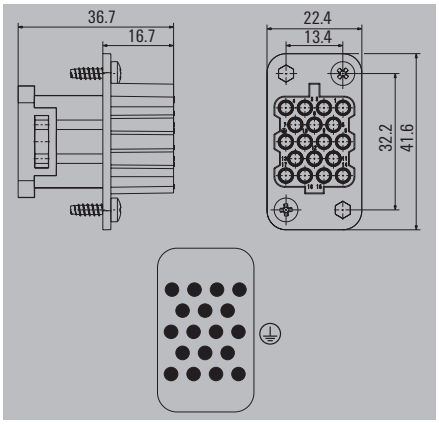
Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 17 MC	1	1003210000

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 17 FC	1	1003200000

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
Tools		
CTX CM 1.6/2.5	1	9018490000
CTIN CM 1.6/2.5	1	9205430000
REMOVAL TOOL HD	1	1866730000

Housing selection RockStar® IP65
Size HQ

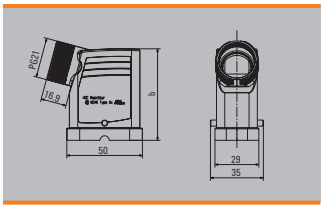
For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

Plug housing, cable entry sideways

Material: Zinc diecast

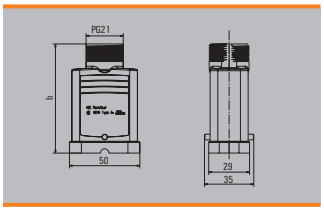
a	Version	Cover	b (mm)	Type	Order No.
PG 21	w. thread		61	HDC HQM TSLU 1PG21	1003100000



Plug housing, cable entry at top

Material: Zinc diecast

a	Version	Cover	b (mm)	Type	Order No.
PG 21	w. thread		78	HDC HQM TOLU 1PG21	1003080000



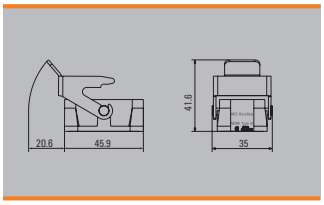
Base

Bulkhead housing

Material: Zinc diecast

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		21	HDC HQM ALU	1003050000

Note CS: with lockable lever

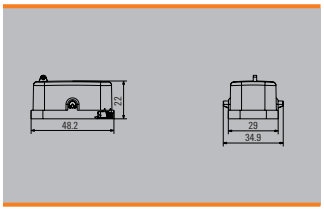


Cover

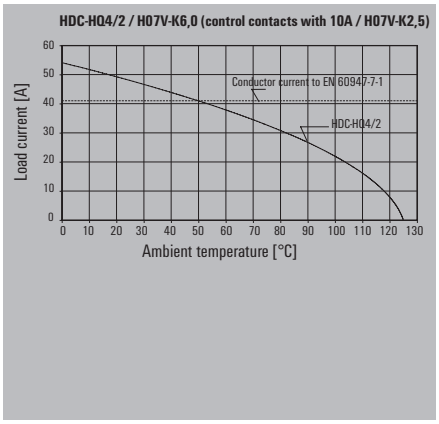
Material: Plastic

Version	Type	Order No.
with female	HDC HQP DMD 2BO	1003130000
with male	HDC HQP DOD 2BO	1003140000
with female	HDC HQP DMD 2BO CS	1251660000
with male	HDC HQP DOD 2BO CS	1251670000

Note CS: for plastic and metal housings, for lockable lever, not for PUSH IN

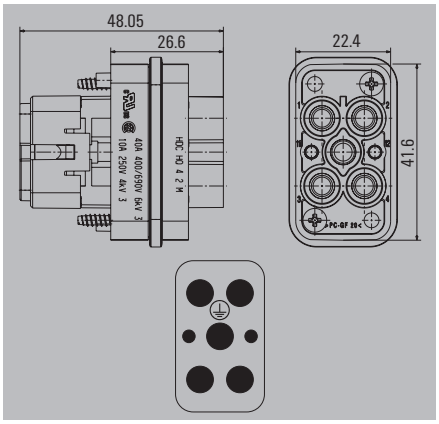


690 V / 250 V, 10 A / 40 A, size HQ
4 + 2 + ⏚



Installation cut-out

Male



Ordering data

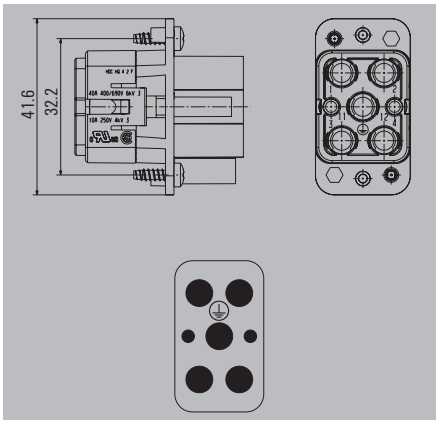
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 4/2 MC	1	**1003170000**

For complete assembly you need four HX contacts and two HD contacts

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
HDC C HX SM1.5AG	25	**1002910000**
HDC C HX SM2.5AG	25	**1002920000**
HDC C HX SM4.0AG	25	**1002930000**
HDC C HX SM6.0AG	25	**1002940000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
CTIN CM 1.6/2.5	1	**9205430000**
REMOVAL TOOL HD	1	**1866730000**
REMOVAL TOOL HX	1	**1002990000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC HQ 4/2 FC	1	**1003160000**

For complete assembly you need four HX contacts and two HD contacts

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
HDC C HX BM1.5AG	25	**1002950000**
HDC C HX BM2.5AG	25	**1002960000**
HDC C HX BM4.0AG	25	**1002970000**
HDC C HX BM6.0AG	25	**1002980000**
Tools		
CTX CM 1.6/2.5	1	**9018490000**
CTIN CM 1.6/2.5	1	**9205430000**
REMOVAL TOOL HD	1	**1866730000**
REMOVAL TOOL HX	1	**1002990000**

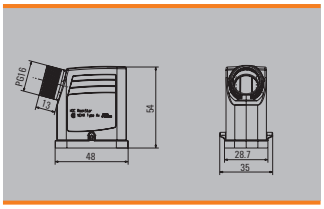
Housing selection RockStar® IP65
Size HQ

For additional housings, refer to
Chapter D for IP65 / Chapter F for IP68 EMC

Hood

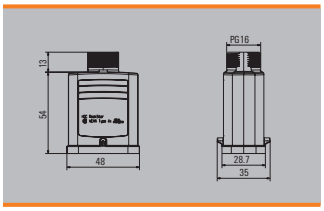
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		54	HDC HQP TSLU 1PG16	1003090000



Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		67	HDC HQP TOLU 1PG16	1003070000

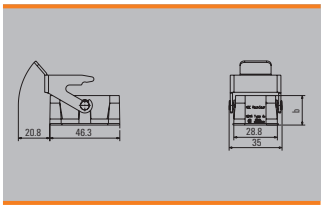


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		20	HDC HQP ALU	1003040000

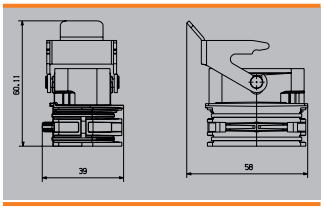
Note CS: with lockable lever



Bulkhead housing for FieldPower Box

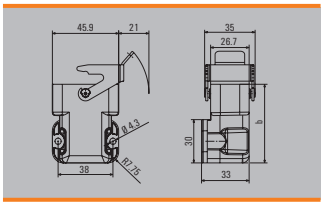
	Version	Cover	b (mm)	Type	Order No.
				BG ARGH HQP ALU PT6 CS	1532210000
				BG ARGH HQP ALU PT6	1532200000

Note CS: with locking bow



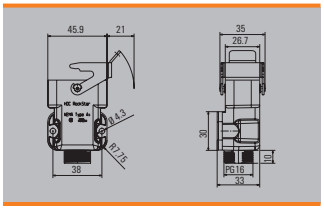
Bulkhead housing angled

	Version	Cover	b (mm)	Type	Order No.
	Side-locking		55	HDC HQP AWLU	1003060000



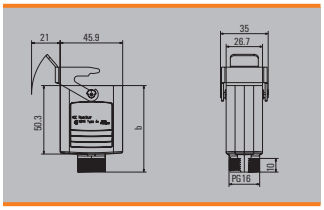
Base housing

a	Version	Cover	b (mm)	Type	Order No.
PG 16	Side-locking		55	HDC HQP SLU 1PG16	1003110000



Coupling housing

a	Version	Cover	b (mm)	Type	Order No.
PG 16	w. thread		64	HDC HQP KOLU 1PG16	1003120000



MixMate series

Multifunctional: The special design of MixMate enables reliable transmission of high rated currents and voltages, as well as signals, simultaneously.

Technical data

	S4	S8/24	S4/0	S4/2
Standards/approvals				
Standards	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1
Approvals	UL/CSA	UL/CSA/VDE	UL/CSA/VDE	UL/CSA/VDE
Inserts				
No. of poles				
– Power contact	4 (+ PE)	8 (+ PE)	4 (+ PE)	4 (+ PE)
– Signal contact		24		2
Rated voltage				
– Power contact	1,000 V	400 V	830 V	830 V
– Signal contact		160 V		400 V
Rated voltage to UL/CSA	600 V	600 V	600 V	600 V
Rated current				
– Power contact	40 A	16 A	80 A	80 A
– Signal contact		10 A		16 A
Rated impulse withstand voltage				
– Power contact	8 kV	4 kV	8 kV	8 kV
– Signal contact		2.5 kV		6 kV
Pollution severity	3	3	3	3
Insulation resistance	≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω
Material	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Temperature range	–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C
Flammability to UL 94	V-0	V-0	V-0	V-0
Mechanical service life				
– Plugging cycles Ag-Surface	≥ 500	≥ 500	≥ 500	≥ 500
– Plugging cycles Au-Surface		≥ 500		
Contact resistance with min. and max. conductors	≤ 1 mΩ	≤ 2 mΩ (Power) ≤ 4 mΩ (Signals)	≤ 1 mΩ	≤ 1 mΩ (Power) ≤ 2 mΩ (Signals)
Contacts / Material				
Sockets and plug-in contact	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Surface	Passivated silver	Passivated silver or gold-plated	Passivated silver	Passivated silver
Flexible conductor connection				
– Power contact	2.5 – 10 mm² (AWG 14 – 8)	0.5 – 4 mm² (AWG 20 – 12)	1.5 – 16 mm² (AWG 16 – 6)	1.5 – 16 mm² (AWG 16 – 6)
– Signal contact		0.14 – 2.5 mm² (AWG 26 – 14)		0.5 – 2.5 mm² (AWG 22 – 14)
Stripping length				
– Power contact	8 mm	7.5 mm	15 mm	15 mm
– Signal contact		8 mm		8 mm
Clamping torque				
– Power contact	1.1 – 1.7 Nm		1.2 Nm (1.5 mm²) / 2 Nm (2.5 mm²) / 3 Nm (4 – 16 mm²)	1.2 Nm (1.5 mm²) / 2 Nm (2.5 mm²) / 3 Nm (4 – 16 mm²)
– Signal contact				0.5 – 0.55 Nm
Tools				
– Hexagon socket, 2 mm	SW 2			
– Screwdriver	0.6 x 3.5 mm		SD 0.8 x 4 mm	SD 0.8 x 4 mm (Power) / SD 0.6 x 3.5 mm or PH1 (Signals)
– Crimping tool		CTIN 1.6/2.5 / CTX CM 1.6/2.5 (for 0.5 – 1.5 mm²)		
PE connection via plug/socket				
– Clamping range	1.5/2.5 – 4/10 mm²	0.5 – 6 mm² (0.5 mm² with ferrule)	0.5 – 16 mm² (0.5 mm² with ferrule 10 – 16 mm² with ring cable lug)	0.5 – 16 mm² (0.5 mm² with ferrule 10 – 16 mm² with ring cable lug)
– AWG conductor	AWG 16/14 – 12/8	AWG 20 – 10 (AWG 10 with ring cable lug)	AWG 20 – 6 (AWG 10. 8 and 6 with ring cable lug)	AWG 20 – 6 (AWG 10. 8 and 6 with ring cable lug)
– Stripping length	8 mm	13 mm	13 mm	13 mm
– Clamping torque	0.5 – 0.8 Nm	2 – 2.5 Nm	2 – 2.5 Nm	2 – 2.5 Nm
– Blade dimensions	SD 0.8 x 4 mm	SD 1.2 x 6.5 mm or PH2	SD 1.2 x 6.5 mm or PH2	SD 1.2 x 6.5 mm or PH2

Hinweis: When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!
* Power contact = Axial screw connection, Signal contact = Screw connection

S6/12*	S6/36	S12/2	S4/8	S6/6*	S8/0
DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1	DIN EN 61984 DIN EN 60664-1
UL/CSA	UL/CSA/VDE	UL/CSA/VDE	UL/CSA/VDE	UL/CSA	UL/CSA/VDE
6 (+ PE)	6 (+ PE)	12 (+ PE)	4 (+ PE)	6 (+ PE)	8 (+ PE x 2)
12	36	2	8	6	
690 V	690 V	690 V	400 V	690 V	690 V
400 V	160 V	250 V	400 V	400 V	
600 V	600 V	600 V	600 V	600 V	600 V
48 A	40 A	40 A	80 A	100 A	110 A
16 A	10 A	10 A	16 A	16 A	
8 kV	8 kV	8 kV	6 kV	8 kV	8 kV
6 kV	2.5 kV	4 kV	6 kV	6 kV	
3	3	3	3	3	3
≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω	≥ 10^{10} Ω
Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)	Glass-fibre reinforced PC (in UL list and approved for railway applications)
–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C	–40 °C to +125 °C
V-0	V-0	V-0	V-0	V-0	V-0
≥ 500	≥ 500	≥ 500	≥ 500	≥ 500	≥ 500
	≥ 500	≥ 500			
≤ 2 mΩ (Power) ≤ 2 mΩ (Signals)	≤ 2 mΩ (Power) ≤ 4 mΩ (Signals)	≤ 2 mΩ (Power) ≤ 4 mΩ (Signals)	≤ 1 mΩ (Power) ≤ 2 mΩ (Signals)	≤ 1 mΩ (Power) ≤ 2 mΩ (Signals)	≤ 1 mΩ
Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy	Copper alloy
Passivated silver	Passivated silver or gold-plated	Passivated silver or gold-plated	Passivated silver	Passivated silver	Passivated silver
2.5 – 10 mm² (AWG 14 – 8)	1.5 – 6 mm² (AWG 16 – 10)	1.5 – 6 mm² (AWG 16 – 10)	1.5 – 16 mm² (AWG 16 – 6)	16 – 35 mm² (AWG 6 – 2)	10 – 25 mm² (AWG 8 – 4)
0.5 – 2.5 mm² (AWG 24 – 14)	0.14 – 2.5 mm² (AWG 26 – 14)	0.14 – 2.5 mm² (AWG 26 – 14)	0.5 – 2.5 mm² (AWG 22 – 14)	0.5 – 2.5 mm² (AWG 24 – 14)	
8 mm	9 mm	9 mm	15 mm	13 mm	12 mm
12 mm	8 mm	8 mm	8 mm	12 mm	
1.1 – 1.7 Nm			1.2 Nm (1.5 mm²) / 2 Nm (2.5 mm²) / 3 Nm (4 – 16 mm²)	6 – 8 Nm	6 Nm (10 – 16 mm²) / 7 Nm (25 mm²)
0.45 – 0.9 Nm			0.5 – 0.55 Nm	0.45 – 0.9 Nm	
SW 2				SW 4	SW 4
0.6 x 3.5 mm			SD 0.8 x 4 mm (Power) / SD 0.6 x 3.5 mm or PH1 (Signals)	SD 0.6 x 3.5 or PZ 0	
	CTIN 1.6/2.5 / CTX CM 1.6/2.5 (for 0.5 – 1.5 mm²)	CTIN 1.6/2.5 / CTX CM 1.6/2.5 (for 0.5 – 1.5 mm²)			
2.5 – 10 mm²	0.5 – 6 mm² (0.5 mm² with ferrule)	0.5 – 6 mm² (0.5 mm² with ferrule)	0.5 – 16 mm² (0.5 mm² with ferrule), 10 – 16 mm² with ring cable lug)	16 – 35 mm²	10 – 25 mm²
AWG 14 – 8	AWG 20 – 10 (AWG 10 with ring cable lug)	AWG 20 – 10 (AWG 10 with ring cable lug)	AWG 20 – 6 (AWG 10. 8 and 6 with ring cable lug)	AWG 6 – 2	AWG 8 – 4
8 mm	13 mm	13 mm	13 mm	8 mm	12 mm
2 – 2.5 Nm	2 – 2.5 Nm	2 – 2.5 Nm	2 – 2.5 Nm	6 – 8 Nm	6 Nm (10 – 16 mm²)/7 Nm (25 mm²)
SD 0.8 x 4 mm or PZ2	SD 1.2 x 6.5 mm or PH2	SD 1.2 x 6.5 mm or PH2	SD 1.2 x 6.5 mm or PH2	SD 0.8 x 4 mm or PZ 1	SD 5.5 x 1.0 or PH2

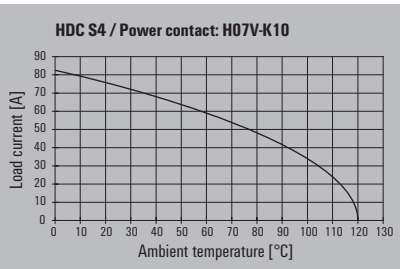
MixMate series

Overview

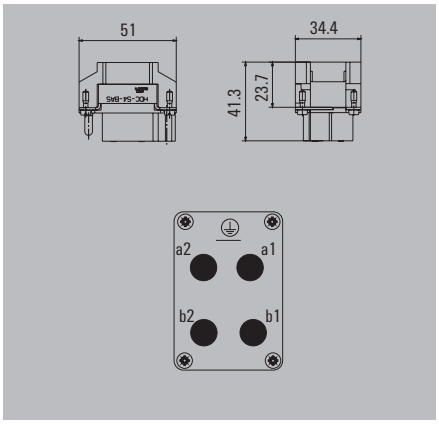
		Size	Rated voltage	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	Axial screw connection	Page
		3	1,000 V	40 A	4 + ⏚					•	B.138
		4	400 V	16 A	8 + 24 + ⏚				•		B.140
		6	830 V	80 A	4 + 0 + ⏚			•			B.142
		6	830 V	80 A	4 + 2 + ⏚			•			B.144
		6	690 V	40 A	6 + 36 + ⏚				•		B.146
		6	690 V	48 A	6 + 12 + ⏚			•		•	B.148
		6	690 V	40 A	12 + 2 + ⏚				•		B.150
		8	400 V	80 A	4 + 8 + ⏚			•			B.152
		8	690 V	100 A	6 + 6 + ⏚			•		•	B.154
		8	690 V	110 A	8 + 0 + ⏚					•	B.156

1000 V, 40 A, size 3

4 + ⏚



Male

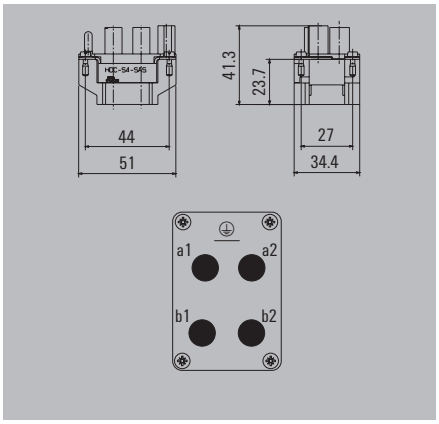


Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S4 SAS	1	1789990000

Combine these inserts only with housings with a high design (Size 16D).

Female

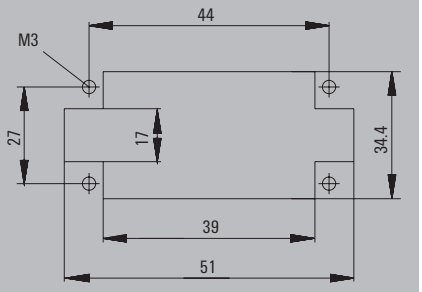


Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S4 BAS	1	1789980000

Combine these inserts only with housings with a high design (Size 16D).

Installation cut-out



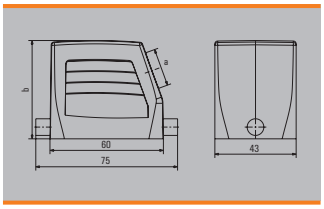
Housing selection RockStar® IP65
Size 3

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

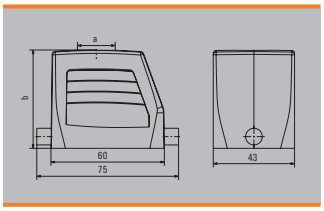
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		72	HDC 16D TSLU 1M25G	1787480000
M 32	w. thread		72	HDC 16D TSLU 1M32G	1787470000



Plug housing, cable entry at top

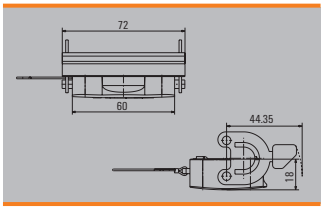
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. thread		72	HDC 16D TOLU 1M32G	1787490000



Cover

Version	Type	Order No.
For hoods	HDC 06B DMDL 1LB	1665210000
For hoods	HDC 06B DMDL 1LB N	2559730000

Note Note: N = Plastic locking lever with stainless steel inlay

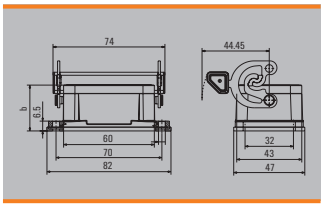


Base

Bulkhead housing

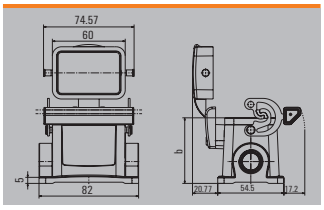
Version	Cover	b (mm)	Type	Order No.
	without cover	29	HDC 06B ALU	1202100000
		29	HDC 06B ALU N	2488560000
	with cover	29	HDC 06B ADLU	1202500000
	with cover	29	HDC 06B ADLU N	2559320000

Note Note: N = Plastic locking lever with stainless steel inlay



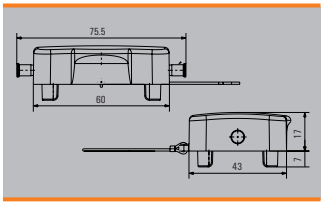
Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	End-locking		74	HDC 16D SLU 2M25G	1787520000
M 25	End-locking	with cover	74	HDC 16D SDLU 2M25G	1787540000
M 32	End-locking		74	HDC 16D SLU 2M32G	1787510000



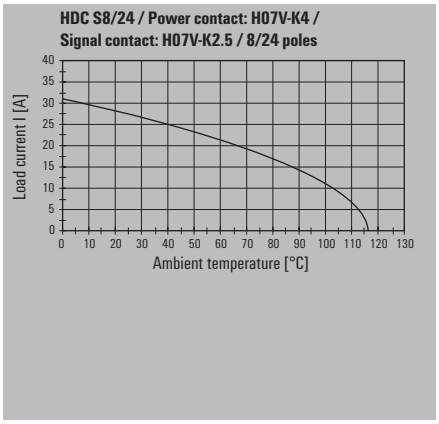
Cover

Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000

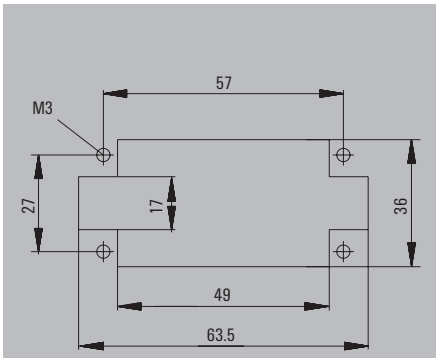


400 V, 16 A, size 4

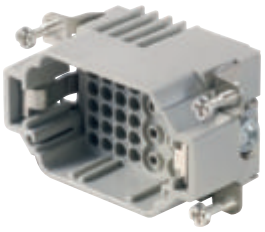
8 + 24 + ⏚

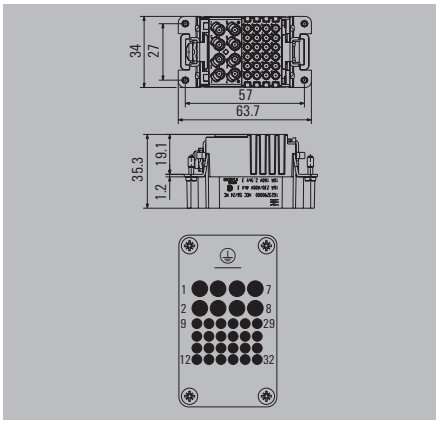


Installation cut-out



Male





Ordering data

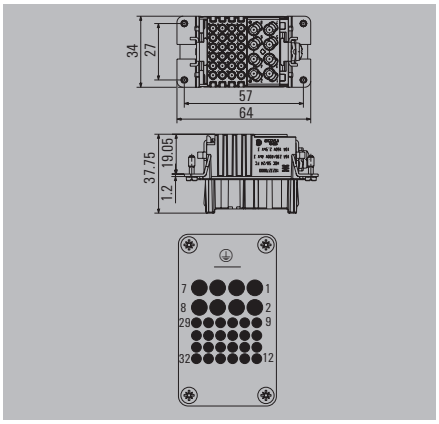
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S8/24 MC	1	**1023290000**

The signal contacts are designed for a rated voltage of 160 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HE-SM0.5AU	100	**1651420000**
HDC-C-HE-SM0.75-1.00AU	100	**1651430000**
HDC-C-HE-SM1.5AU	100	**1651440000**
HDC-C-HE-SM2.5AU	100	**1651450000**
HDC-C-HE-SM4.0AU	100	**1651460000**
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HE-SM0.5AG	100	**1200500000**
HDC-C-HE-SM0.75-1.00AG	100	**1200600000**
HDC-C-HE-SM1.5AG	100	**1200700000**
HDC-C-HE-SM2.5AG	100	**1200800000**
HDC-C-HE-SM4.0AG	100	**1200900000**
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
Tools		
CTIN CM 1.6/2.5	1	**9205430000**
REMOVAL TOOL HE	1	**1866750000**
REMOVAL TOOL HD	1	**1866730000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S8/24 FC	1	**1023270000**

The signal contacts are designed for a rated voltage of 160 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HE-BM0.5AU	100	**1651470000**
HDC-C-HE-BM0.75-1.00AU	100	**1651480000**
HDC-C-HE-BM1.5AU	100	**1651490000**
HDC-C-HE-BM2.5AU	100	**1651500000**
HDC-C-HE-BM4.0AU	100	**1651510000**
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HE-BM0.5AG	100	**1201100000**
HDC-C-HE-BM0.75-1.00AG	100	**1201200000**
HDC-C-HE-BM1.5AG	100	**1201300000**
HDC-C-HE-BM2.5AG	100	**1201400000**
HDC-C-HE-BM4.0AG	100	**1201500000**
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
Tools		
CTIN CM 1.6/2.5	1	**9205430000**
REMOVAL TOOL HE	1	**1866750000**
REMOVAL TOOL HD	1	**1866730000**

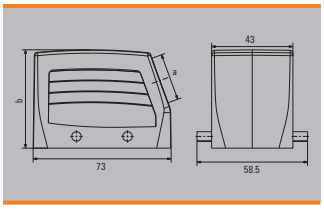
Housing selection RockStar® IP65
Size 4

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

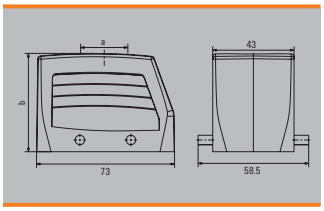
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TSBU 1M20G	1787560000
M 25	w. thread		52	HDC 10B TSBU 1M25G	1787550000
M 25	w. thread		72	HDC 24D TSBU 1M25G	1787240000
M 32	w. thread		72	HDC 24D TSBU 1M32G	1787230000



Plug housing, cable entry at top

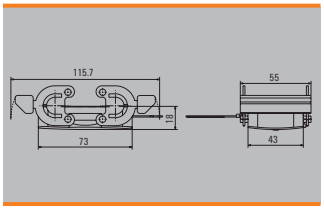
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. thread		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. thread		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. thread		72	HDC 24D TOBU 1M32G	1787290000



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	1665240000
For hoods	HDC 10B DMDQ 2QB N	2559740000

Note Note: N = Plastic locking lever with stainless steel inlay

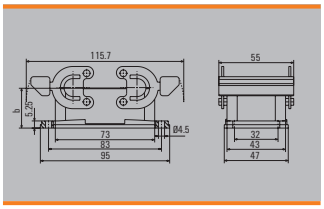


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			30	HDC 10B ABU	1205000000
			30	HDC 10B ABU N	2488580000

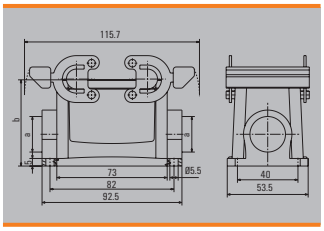
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 20	Side-locking		57	HDC 10B SBU 1M20G N	2560880000
M 20	Side-locking		57	HDC 10B SBU 2M20G	1787640000
M 20	Side-locking		57	HDC 10B SBU 2M20G N	2560890000
M 25	Side-locking		57	HDC 10B SBU 1M25G N	2560900000
M 25	Side-locking		57	HDC 10B SBU 2M25G	1787630000
M 25	Side-locking		57	HDC 10B SBU 2M25G N	2560910000

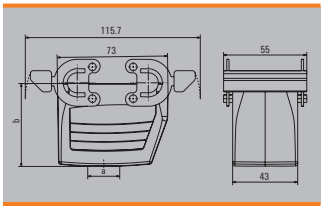
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

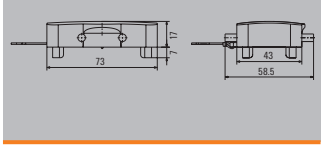
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. thread		55	HDC 10B KBU 1M20G	1787720000
M 20	w. thread		55	HDC 10B KBU 1M20G N	2559860000

Note Note: N = Plastic locking lever with stainless steel inlay



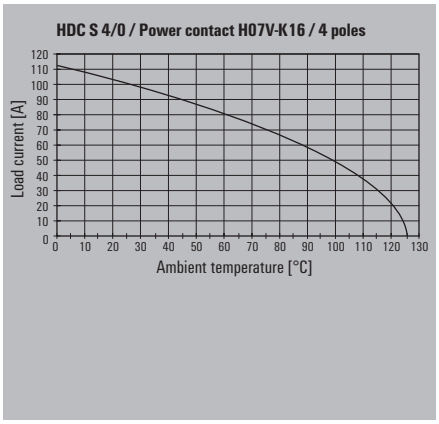
Cover

Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000

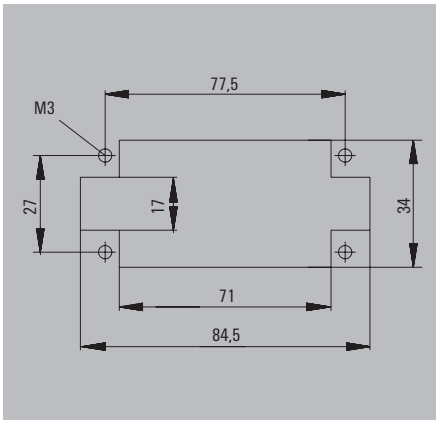


830 V, 80 A, size 6

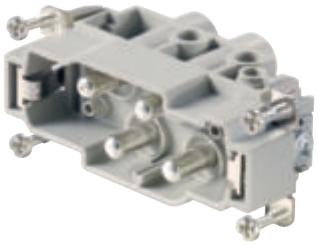
4 + 0 + ⏚

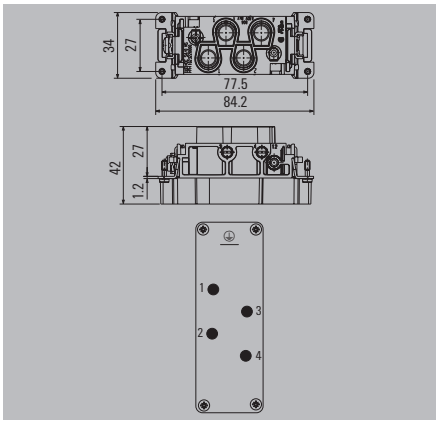


Installation cut-out



Male

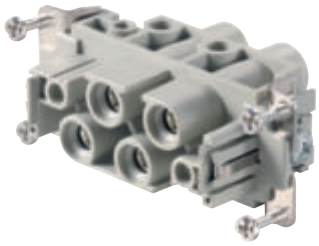


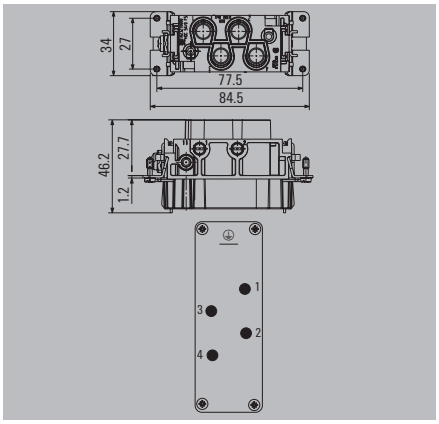


Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/0 MS	1	1023220000

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/0 FS	1	1023210000

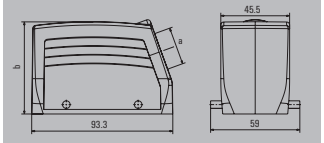
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

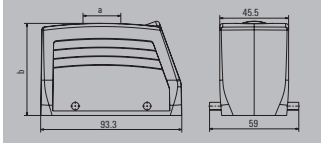
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



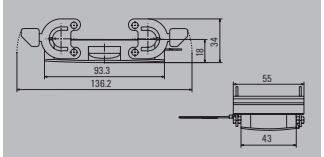
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

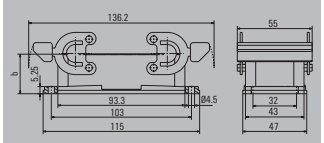


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			29.5	HDC 16B ABU	1208600000
			29	HDC 16B ABU N	2488590000

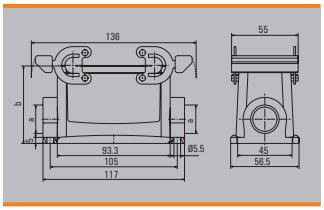
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

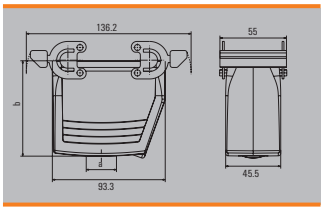
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

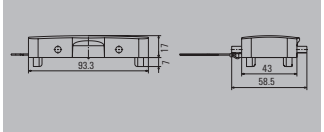
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



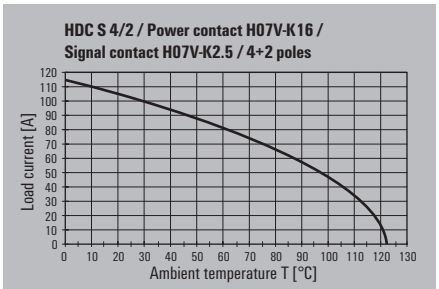
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

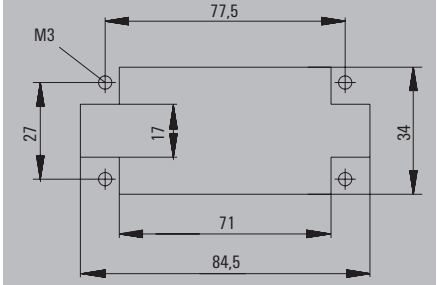


830 V, 80 A, size 6

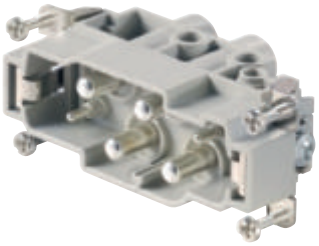
4 + 2 + ⏚

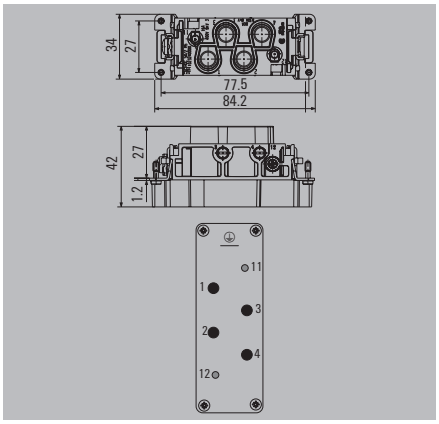


Installation cut-out



Male



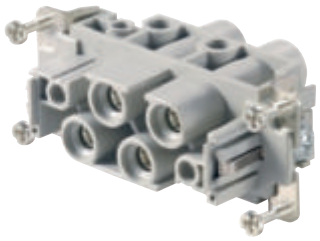


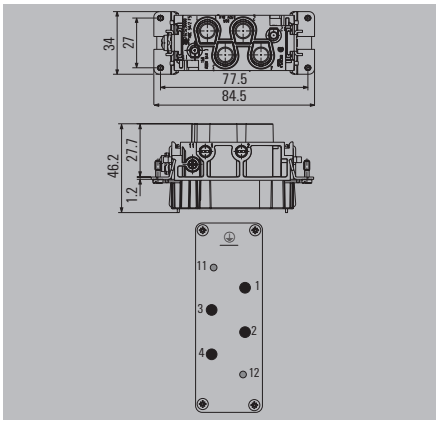
Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/2 MS	1	**1023240000**

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Female





Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/2 FS	1	**1023230000**

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

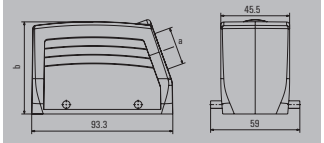
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

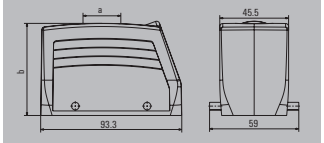
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



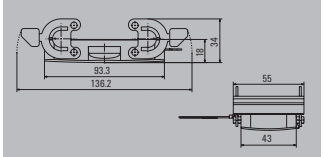
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

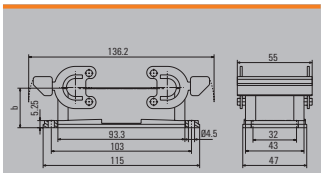


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			29.5	HDC 16B ABU	1208600000
			29	HDC 16B ABU N	2488590000

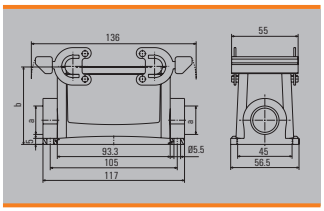
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

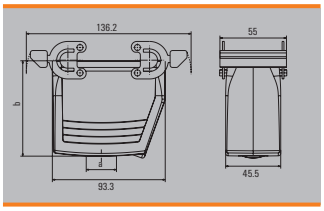
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

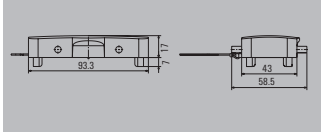
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



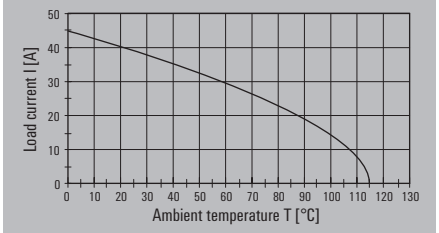
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

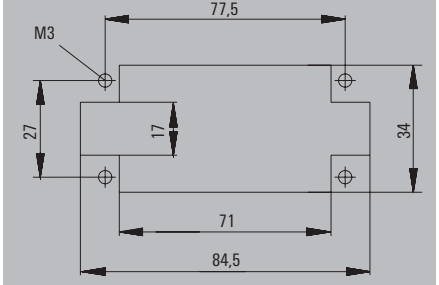


690 V, 40 A, size 6

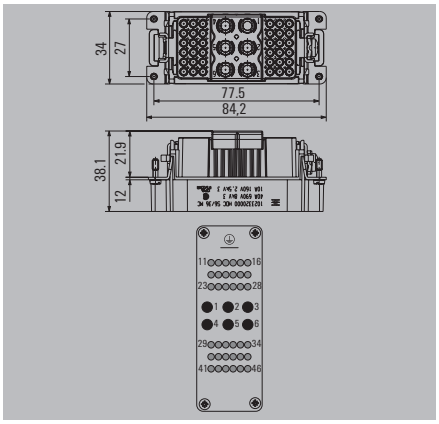
6 + 36 + ⏚



Installation cut-out



Male



Ordering data

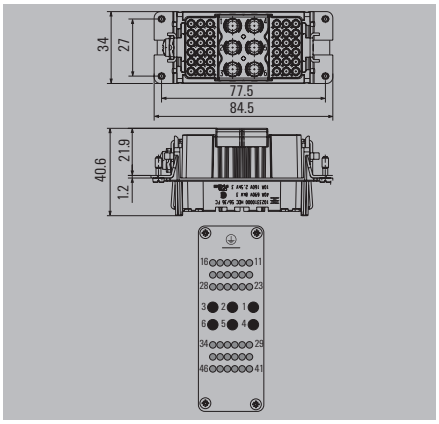
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S6/36 MC	1	**1023320000**

The signal contacts are designed for a rated voltage of 160 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	**1651620000**
HDC-C-HD-SM0.5AU	100	**1651630000**
HDC-C-HD-SM0.75-1.00AU	100	**1651640000**
HDC-C-HD-SM1.5AU	100	**1651650000**
HDC-C-HD-SM2.5AU	100	**1651660000**
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	**1651520000**
HDC-C-HD-SM0.5AG	100	**1651530000**
HDC-C-HD-SM0.75-1.00AG	100	**1601750000**
HDC-C-HD-SM1.5AG	100	**1651550000**
HDC-C-HD-SM2.5AG	100	**1651560000**
HDC C HX SM1.5AG	25	**1002910000**
HDC C HX SM2.5AG	25	**1002920000**
HDC C HX SM4.0AG	25	**1002930000**
HDC C HX SM6.0AG	25	**1002940000**
Tools		
CTIN CM 1.6/2.5	1	**9205430000**
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**
REMOVAL TOOL HX	1	**1002990000**

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S6/36 FC	1	**1023310000**

The signal contacts are designed for a rated voltage of 160 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	**1651670000**
HDC-C-HD-BM0.5AU	100	**1651680000**
HDC-C-HD-BM0.75-1.00AU	100	**1651690000**
HDC-C-HD-BM1.5AU	100	**1651700000**
HDC-C-HD-BM2.5AU	100	**1651710000**
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	**1651570000**
HDC-C-HD-BM0.5AG	100	**1651580000**
HDC-C-HD-BM0.75-1.00AG	100	**1601760000**
HDC-C-HD-BM1.5AG	100	**1651600000**
HDC-C-HD-BM2.5AG	100	**1651610000**
HDC C HX BM1.5AG	25	**1002950000**
HDC C HX BM2.5AG	25	**1002960000**
HDC C HX BM4.0AG	25	**1002970000**
HDC C HX BM6.0AG	25	**1002980000**
Tools		
CTIN CM 1.6/2.5	1	**9205430000**
CTX CM 1.6/2.5	1	**9018490000**
REMOVAL TOOL HD	1	**1866730000**
REMOVAL TOOL HX	1	**1002990000**

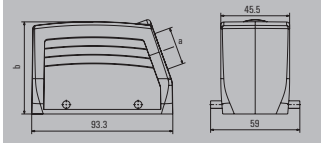
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

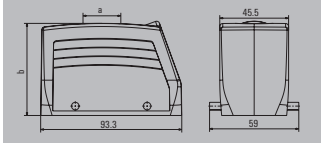
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



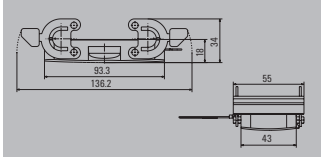
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

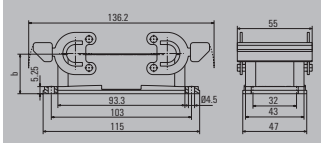


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			29.5	HDC 16B ABU	1208600000
			29	HDC 16B ABU N	2488590000

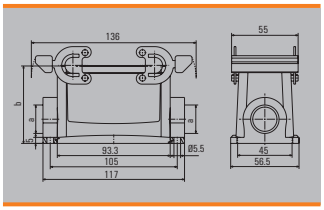
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

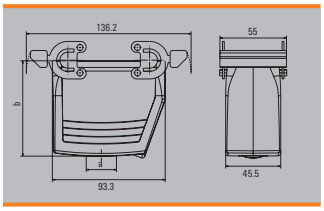
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

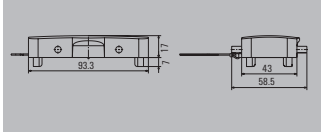
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



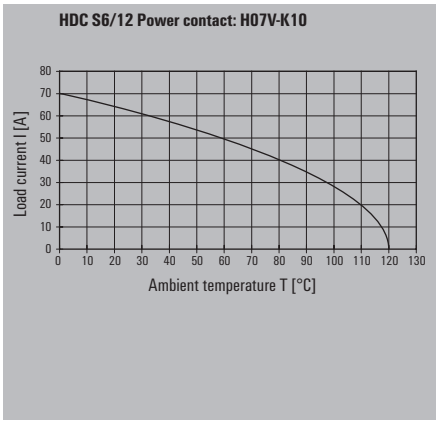
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

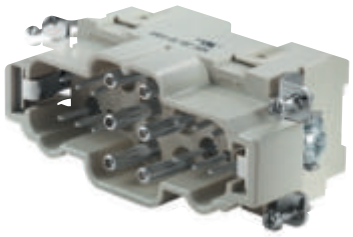


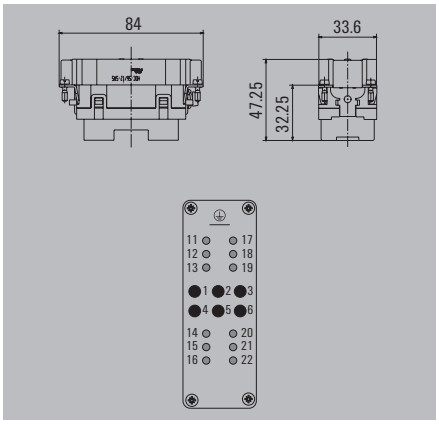
690 V, 48 A, size 6

6 + 12 + ⏚



Male



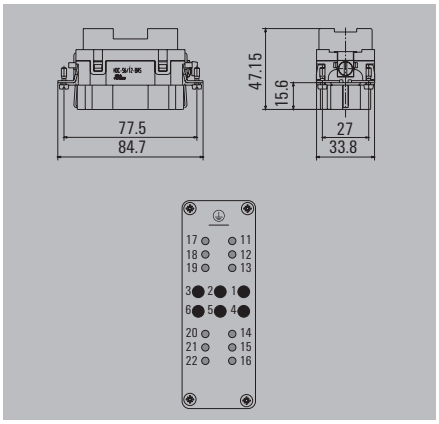


Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S6 12 SAS	1	1790000000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Female

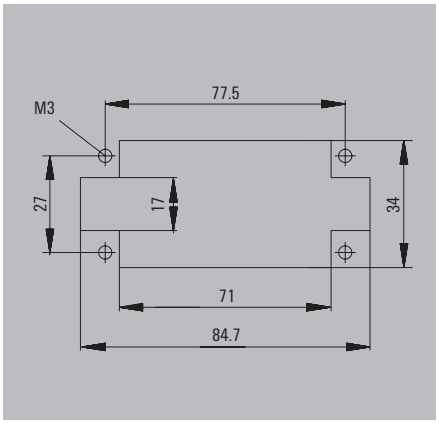


Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S6 12 BAS	1	1790010000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Installation cut-out



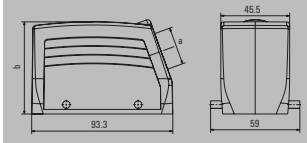
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

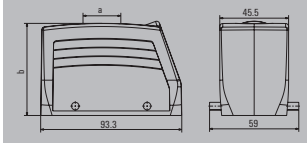
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



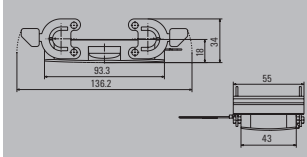
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

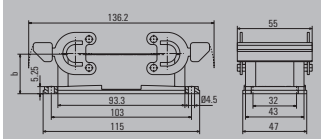


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			29.5	HDC 16B ABU	1208600000
			29	HDC 16B ABU N	2488590000

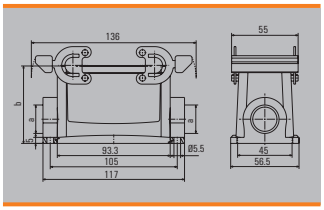
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

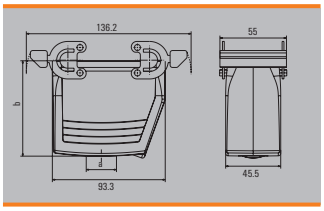
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

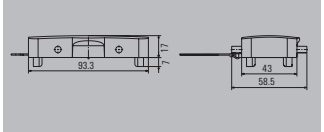
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



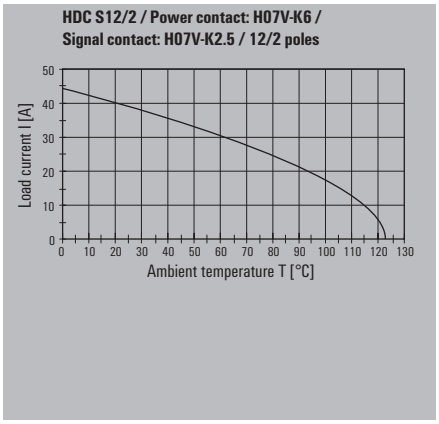
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000

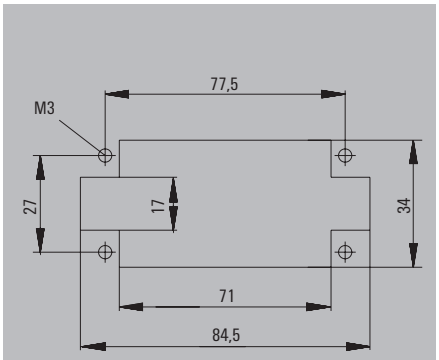


690 V, 40 A, size 6

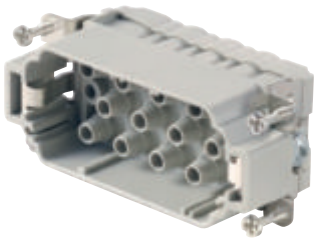
12 + 2 + ⏚

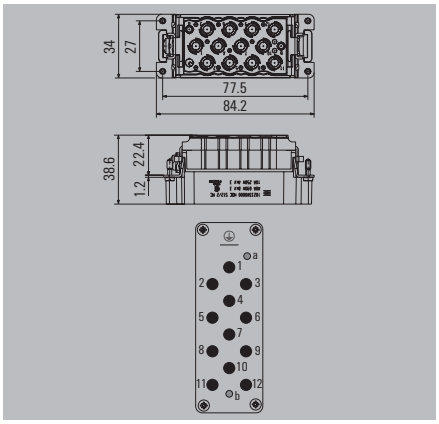


Installation cut-out



Male





Ordering data

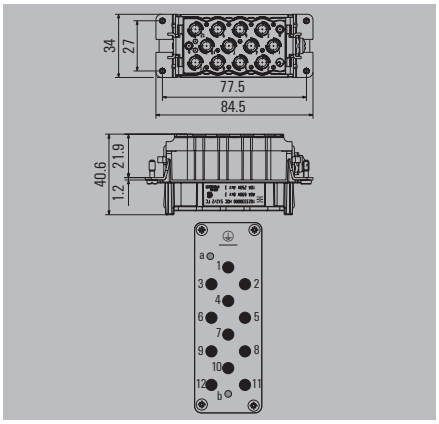
Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S12/2 MC	1	1023340000

The signal contacts are designed for a rated voltage of 250 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, male - gold		
HDC-C-HD-SM0.14-0.37AU	100	1651620000
HDC-C-HD-SM0.5AU	100	1651630000
HDC-C-HD-SM0.75-1.00AU	100	1651640000
HDC-C-HD-SM1.5AU	100	1651650000
HDC-C-HD-SM2.5AU	100	1651660000
Crimp contacts, male - silver		
HDC-C-HD-SM0.14-0.37AG	100	1651520000
HDC-C-HD-SM0.5AG	100	1651530000
HDC-C-HD-SM0.75-1.00AG	100	1601750000
HDC-C-HD-SM1.5AG	100	1651550000
HDC-C-HD-SM2.5AG	100	1651560000
HDC C HX SM1.5AG	25	1002910000
HDC C HX SM2.5AG	25	1002920000
HDC C HX SM4.0AG	25	1002930000
HDC C HX SM6.0AG	25	1002940000
Tools		
CTIN CM 1.6/2.5	1	9205430000
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000
REMOVAL TOOL HX	1	1002990000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Crimp connection	HDC S12/2 FC	1	1023330000

The signal contacts are designed for a rated voltage of 250 V and a rated current of 10 A.

Accessories

Type	Qty.	Order No.
Crimp contacts, female - gold		
HDC-C-HD-BM0.14-0.37AU	100	1651670000
HDC-C-HD-BM0.5AU	100	1651680000
HDC-C-HD-BM0.75-1.00AU	100	1651690000
HDC-C-HD-BM1.5AU	100	1651700000
HDC-C-HD-BM2.5AU	100	1651710000
Crimp contacts, female - silver		
HDC-C-HD-BM0.14-0.37AG	100	1651570000
HDC-C-HD-BM0.5AG	100	1651580000
HDC-C-HD-BM0.75-1.00AG	100	1601760000
HDC-C-HD-BM1.5AG	100	1651600000
HDC-C-HD-BM2.5AG	100	1651610000
HDC C HX BM1.5AG	25	1002950000
HDC C HX BM2.5AG	25	1002960000
HDC C HX BM4.0AG	25	1002970000
HDC C HX BM6.0AG	25	1002980000
Tools		
CTIN CM 1.6/2.5	1	9205430000
CTX CM 1.6/2.5	1	9018490000
REMOVAL TOOL HD	1	1866730000
REMOVAL TOOL HX	1	1002990000

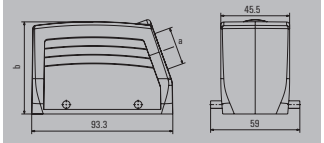
Housing selection RockStar® IP65
Size 6

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

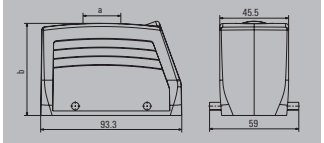
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. thread		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. thread		76	HDC 40D TSBU 1M32G	1787000000



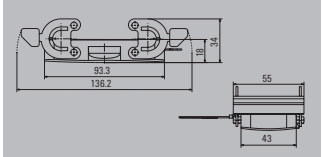
Plug housing, cable entry at top

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. thread		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. thread		76	HDC 40D TOBU 1M32G	1787060000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000

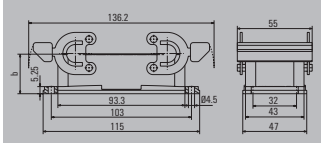


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			29.5	HDC 16B ABU	1208600000
			29	HDC 16B ABU N	2488590000

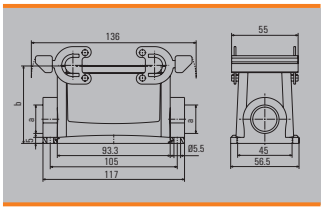
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 16B SBU 1M25G N	2560740000
M 25	Side-locking		64	HDC 16B SBU 2M25G	1788240000
M 25	Side-locking		64	HDC 16B SBU 2M25G N	2560930000
M 25	Side-locking		84	HDC 40D SBU 2M25G	1787120000
PG 21	Side-locking		84	HDC 40D SBU 1M32G N	2561030000
M 32	Side-locking		84	HDC 40D SBU 2M32G	1787110000

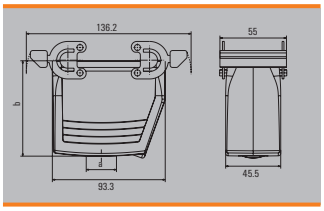
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

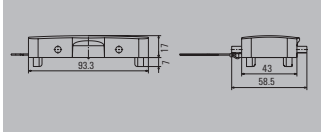
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		79	HDC 40D KBU 1M25G	1787200000
PG 29	w. thread		79	HDC 40D KBU 1M25G N	2559890000
M 32	w. thread		79	HDC 40D KBU 1M32G	1787190000
PG 29	w. thread		79	HDC 40D KBU 1M32G N	2559900000
PG 29	w. thread		79	HDC 40D KBU 2M32G N	2545510000

Note Note: N = Plastic locking lever with stainless steel inlay



Cover

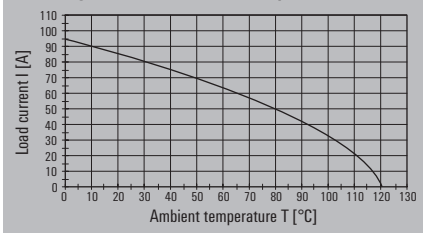
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



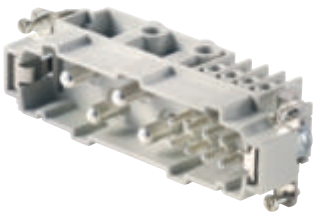
400 V, 80 A, size 8

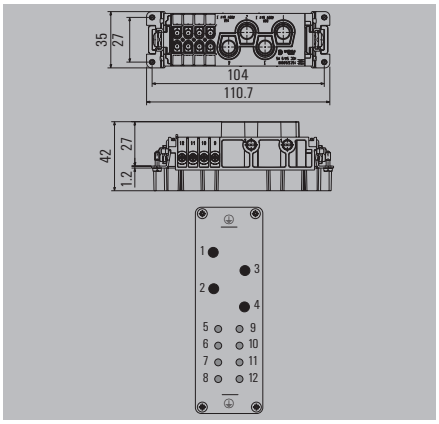
4 + 8 + ⏚

HDC S4 / 8 / Power contact: H07V-K16 /
Signal contact: H07V-K2.5 / 4/8 poles



Male



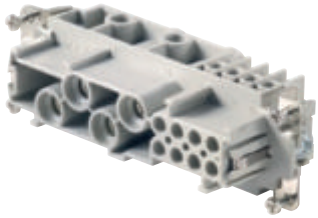


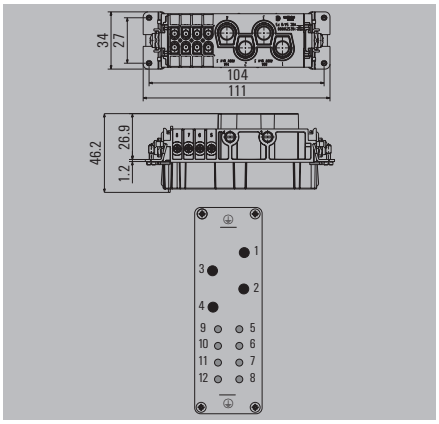
Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/8 MS	1	1023260000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Female



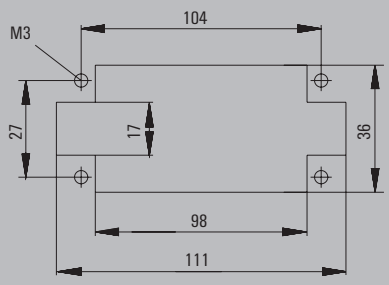


Ordering data

Type of connection	Type	Qty.	Order No.
Screw connection	HDC S4/8 FS	1	1023250000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Installation cut-out



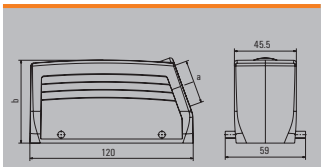
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

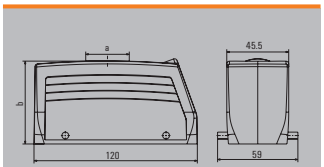
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

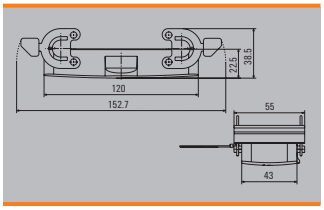
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

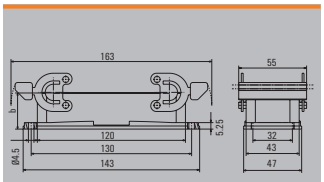


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			30	HDC 24B ABU	1212400000
			30	HDC 24B ABU N	2488600000

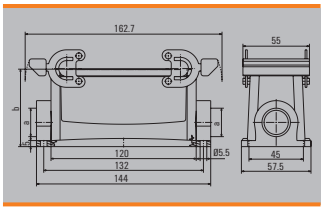
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

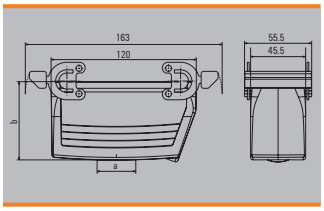
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

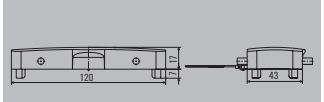
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



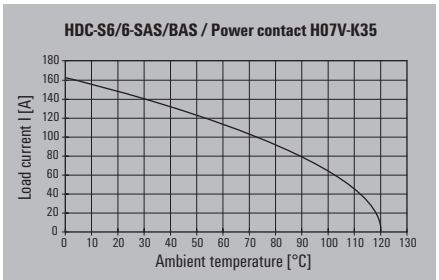
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000

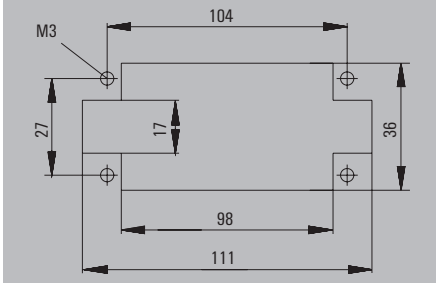


690 V, 100 A, size 8

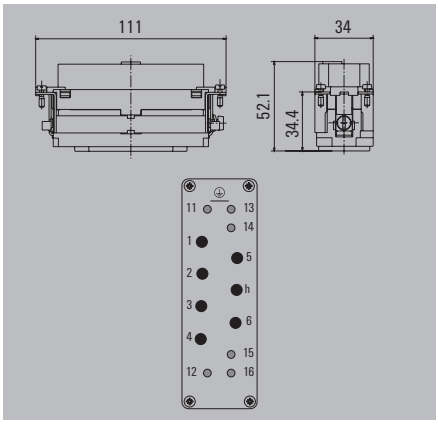
6 + 6 + ⏚



Installation cut-out



Male

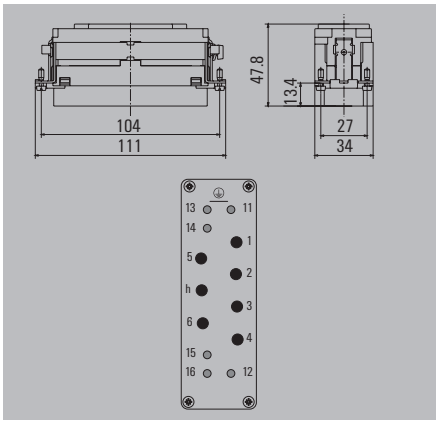


Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S6 6 SAS	1	1790030000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S6 6 BAS	1	1790020000

The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.

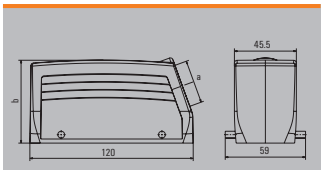
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

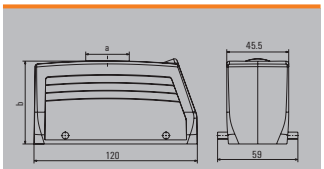
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

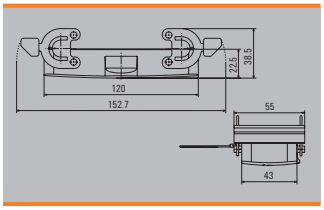
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

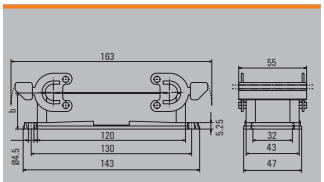


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			30	HDC 24B ABU	1212400000
			30	HDC 24B ABU N	2488600000

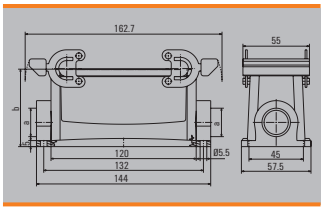
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

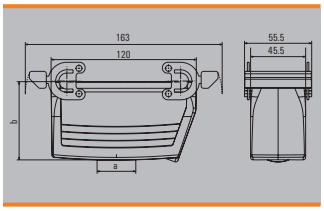
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

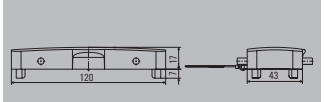
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



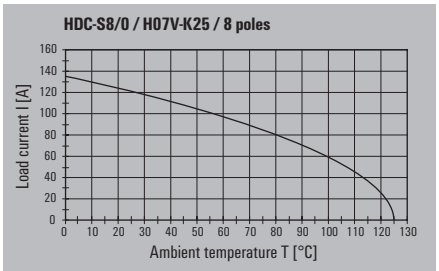
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000

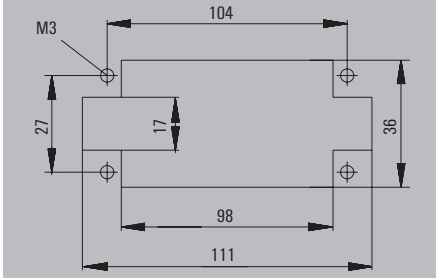


690 V, 110 A, size 8

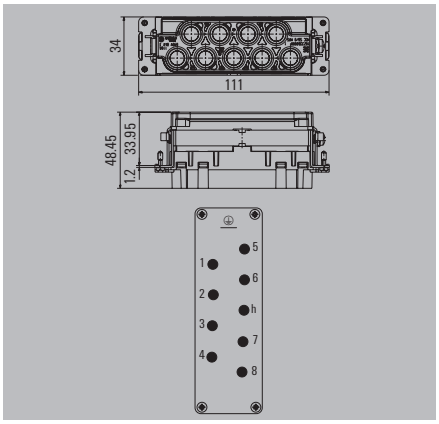
8 + 0 + ⏚



Installation cut-out



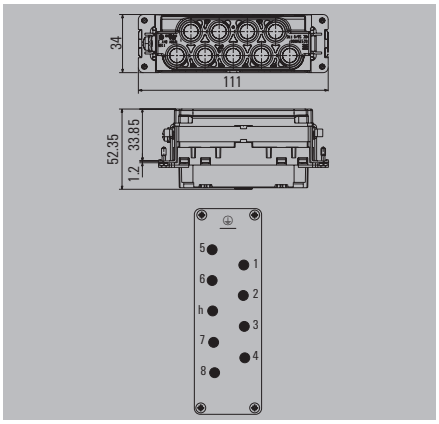
Male



Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S8/0 MAS	1	1023360000

Female



Ordering data

Type of connection	Type	Qty.	Order No.
Axial screw connection	HDC S8/0 FAS	1	1023350000

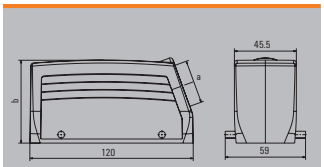
Housing selection RockStar® IP65
Size 8

For additional housings, refer to Chapter D for IP65 / Chapter E for IP65 EMC / Chapter F for IP68 EMC

Hood

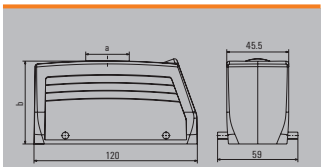
Plug housing, cable entry sideways

a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TSBU 1M25G	1787760000
M 25	w. thread		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. thread		63	HDC 24B TSBU 1M32G	1787750000
M 32	w. thread		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top

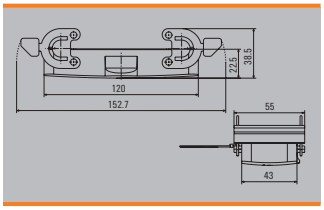
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		63	HDC 24B TOBU 1M25G	1787820000
M 32	w. thread		63	HDC 24B TOBU 1M32G	1787810000
M 32	w. thread		76	HDC 64D TOBU 1M32G	1786830000



Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

Note Note: N = Plastic locking lever with stainless steel inlay

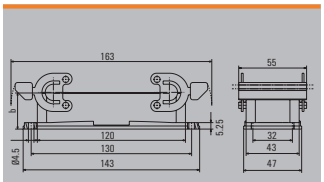


Base

Bulkhead housing

	Version	Cover	b (mm)	Type	Order No.
			30	HDC 24B ABU	1212400000
			30	HDC 24B ABU N	2488600000

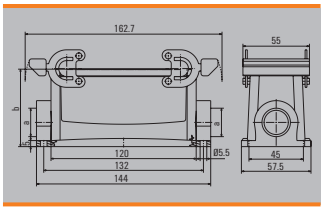
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

a	Version	Cover	b (mm)	Type	Order No.
M 25	Side-locking		64	HDC 24B SBU 2M25G	1787870000
M 25	Side-locking		64	HDC 24B SBU 2M25G N	2560970000
M 25	Side-locking		84	HDC 64D SBU 2M25G	1786890000
M 32	Side-locking		84	HDC 64D SBU 2M25G N	2561060000
M 32	Side-locking		84	HDC 64D SBU 1M32G N	2561050000
M 32	Side-locking		84	HDC 64D SBU 2M32G	1786880000

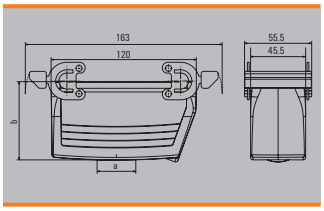
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

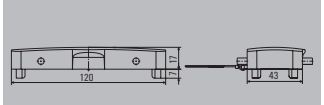
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. thread		65	HDC 24B KBU 1M25G	1787920000
M 25	w. thread		65	HDC 24B KBU 1M25G N	2559870000
M 32	w. thread		65	HDC 24B KBU 2M32G N	2559880000
M 32	w. thread		79	HDC 64D KBU 1M32G	1786960000
M 32	w. thread		79	HDC 64D KBU 1M32G N	2559910000

Note Note: N = Plastic locking lever with stainless steel inlay



Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



RockStar® ModuPlug modular system

RockStar® ModuPlug modular system

Introduction C.2

RockStar® ModuPlug frames C.8

RockStar® ModuPlug modules C.12

RockStar® ModuPlug Field attachable data connector C.52

RockStar® ModuPlug data inserts C.58

RockStar® ModuPlug RJ45 modules C.67

RockStar® ModuPlug pneumatic modules C.69

RockStar® ModuPlug

Great performance in the smallest of spaces

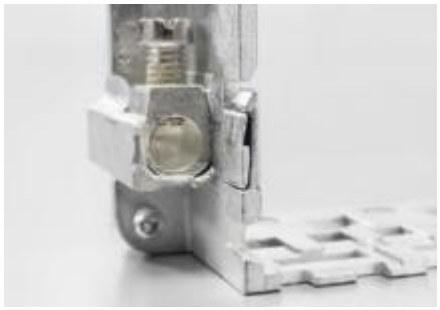
Industrial applications are becoming increasingly complex. The demands being made of the connectivity used are growing at the same time. Functionality in the smallest of installation spaces, safe installation and a fast retrofitting process are just some of the product properties being called for.

Not only does our RockStar® ModuPlug modular plug-in connector system meet current market requirements; it has been specially designed with the future in mind too. Thanks to the new variety of module sizes, you can fit more applications than ever before in one plug-in connector. The modules reduce the amount of space required and cut costs when compared with fixed-pole inserts and other modular plug-in connector systems.
The sophisticated frames and modules can be installed with extreme ease and integrated into HDC enclosures with the IP65 and IP68 protection classes. You can even use the RockStar® ModuPlug to supplement existing applications without any need to make system adjustments.

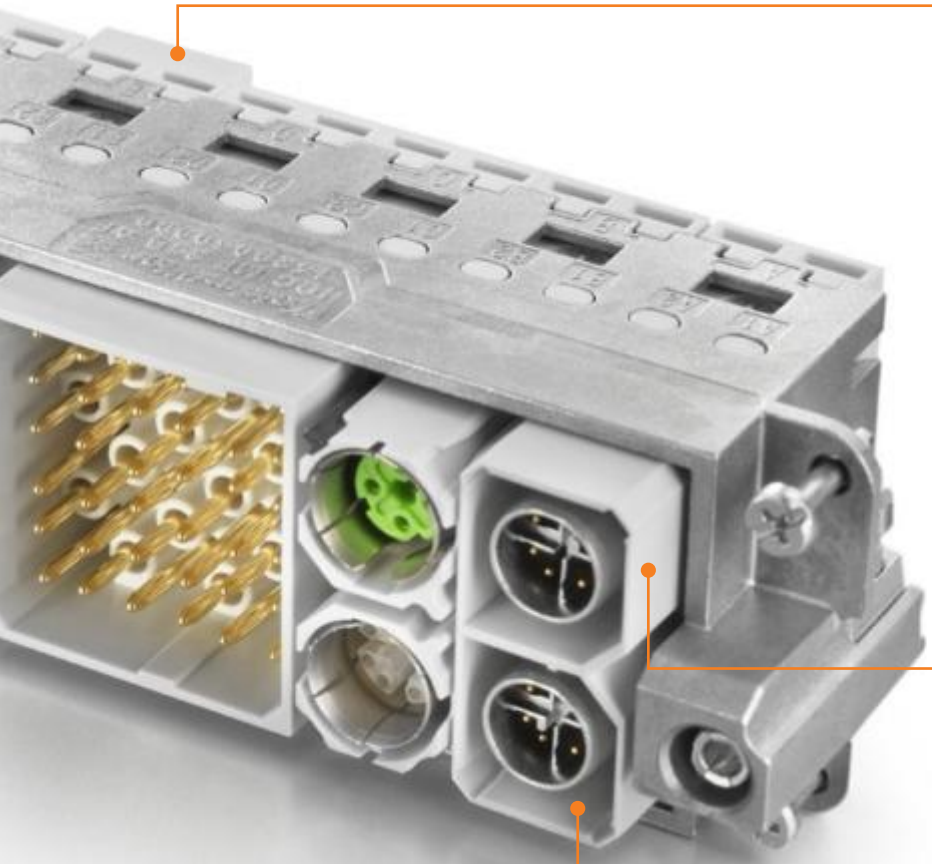
Pneumatic modules
The new pneumatic modules can be integrated into any connector configuration. They enable safe and efficient supply of compressed air to drives, controls, braking systems, holding, and unloading devices.

Terminal block modules
The new terminal block modules with PUSH IN connection technology open up unexpected possibilities – especially for distribution solutions in the otherwise unused area on the control cabinet wall. With up to 48 poles in one connector, they enable particularly efficient wiring from the field to the devices in the control cabinet.

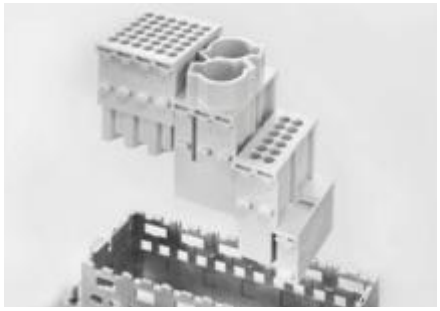
Simple
The innovative sliding frame has two defined locking positions for opening and closing – thus enabling simple, tool-free module installation.



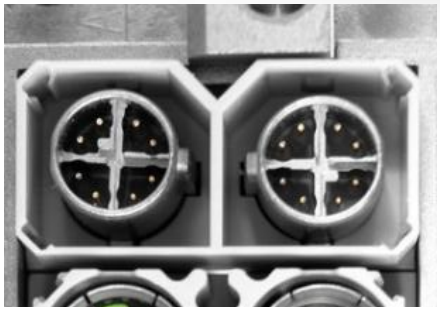
Secure
The round and rectangular coding on the frame enables intuitive module plug-in. The two-point fixation prevents incorrect connection and keeps the modules tilt and vibration-resistant.



Flexible
The four module sizes make for individual plug solutions that save a huge amount of space. The smaller pitch translates into an optimised design too.



Compact
The new two-pole bus module is particularly compact and can accommodate megabit and gigabit data inserts. It enables the transmission of two Gigabit Cat 6A (10GBit) cables in one module.



RockStar® ModuPlug modular system

Data inserts

		Size	Rated voltage	Rated current	No. of poles	Connection	Wire cross-section	Type	Order No. Male	Order No. Female	Page
		1.5 2	1,000 V 1,000 V	200 A 200 A	1 1	Crimp Axial screw	25 – 70 mm² 25 – 70 mm²	HDC MHP 200 HDC MHP 200	2548900000 2748240000	2549260000 2748250000	C.12 C.13
		2	1,000 V	200 A	1	Axial screw	25 – 70 mm²	HDC MHP 200 PE	2748260000	2748270000	C.14
		1.5 2	1,000 V 1,000 V	100 A 100 A	2 2	Crimp Axial screw	10 – 35 mm² 10 – 35 mm²	HDC MHP 100 HDC MHP 100	1429060000 2748280000	1429080000 2748290000	C.15 C.16
		2	2,900 V	16 A	2	Crimp	0.5 – 4 mm²	HDC MHE 2 HV	2748380000	2748390000	C.17
		1 1	1,000 V 1,000 V	70 A 70 A	2 2	Crimp Axial screw	6 – 25 mm² 4 – 25 mm²	HDC MHP 70 HDC MHP 70	2668190000 2748300000	2668180000 2748310000	C.18 C.19
		1 1	830 V 830 V	40 A 40 A	2 2	Crimp Axial screw	1.5 – 10 mm² 2.5 – 10 mm²	HDC MHX 2 HDC MHX 2	2748340000 2748320000	2748350000 2748330000	C.20 C.21
		1 1	830 V 830 V	40 A 40 A	4 4	Crimp PUSH IN	1.5 – 6 mm² 2.5 – 6 mm²	HDC MHX 4P HDC MHX 4P	1428950000 2772800000	1428970000 2772810000	C.22 C.23
		1 1	690 V 690 V	40 A 40 A	3 3	Crimp PUSH IN	1.5 – 10 mm² 2.5 – 6 mm²	HDC MHX 3 HDC MHX 3	1429340000 2772780000	1429350000 2772790000	C.24 C.25
		1	500 V	40 A / 10 A	3/4	Crimp	1.5 – 6 mm² / 0.14 – 2.5 mm²	HDC MHX 3/4	2748360000	2748370000	C.26
		1	830 V	16 A	6	Crimp	0.5 – 4 mm²	HDC MHE 6P	1505650000	1505660000	C.27
		2	500 V	16 A	20	Crimp	0.5 – 4 mm²	HDC MHE 20	1428910000	1428930000	C.28
		1 1	400 V 400 V	16 A 16 A	8 6	Crimp PUSH IN	0.5 – 4 mm² 0.5 – 2.5 mm²	HDC MHE 8 HDC MHE 8	1428880000 2748440000	1428890000 2748450000	C.29 C.30

Data inserts

		Size	Rated voltage	Rated current	No. of poles	Connection	Wire cross-section	Type	Order No. Male	Order No. Female	Page
		1	500 V	16 A	6	Crimp	0.5 – 4 mm²	HDC MHE 6	1429360000	1429370000	C.31
		1	500 V	16 A	6	PUSH IN	0.5 – 2.5 mm²	HDC MHE 6	2748420000	2748430000	C.32
		1	400 V	16 A	5	PUSH IN	0.5 – 2.5 mm²	HDC MHE 5	2636180000	2636190000	C.33
		1	230 V	16 A	5	PUSH IN	0.25 – 1.5 mm²	HDC MHE 5L	2748400000	2748410000	C.34
		0.5	250 V	16 A	4	PUSH IN	0.5 – 2.5 mm²	HDC MHE 4	2635980000	2635990000	C.35
		0.5	250 V	16 A	4	PUSH IN	0.5 – 2.5 mm²	HDC MHE 4X	2636070000	2636060000	C.36
		0.5	250 V	16 A	4	PUSH IN	0.5 – 2.5 mm²	HDC MHE 4X2	2635980000	2635990000	C.37
		2	150 V	10 A	42	Crimp	0.14 – 2.5 mm²	HDC MHD 42	3011270000	3011310000	C.38
		2	250 V	10 A	36	Crimp	0.14 – 2.5 mm²	HDC MHD 36	1428860000	1428870000	C.39
		1	160 V	10 A	17	Crimp	0.14 – 2.5 mm²	HDC MHD 17	2748480000	2748490000	C.40
		1	250 V	10 A	12	Crimp	0.14 – 2.5 mm²	HDC MHD 12	1428840000	1428850000	C.41
		1	250 V	10 A	12	PUSH IN	0.14 – 1.5 mm²	HDC MHD 12	2748460000	2748470000	C.42
		1	30 V	4 A	25	Crimp	0.08 – 0.5 mm²	HDC MHS 25	2748500000	2748510000	C.43
		1	50 V	5 A	8	Crimp	0.08 – 0.5 mm²	HDC MGBIT 8	2748520000	2748530000	C.44

RockStar® ModuPlug modular system

Data inserts

		Size	Rated voltage	Rated current	No. of poles	Connection	Wire cross-section	Type	Order No. Male	Order No. Female	Page
		1	48 V	5 A	8	Crimp	0.08 – 0.5 mm²	HDC MGBIT 8	3092820000	3092810000	C.44
		1	48 V	10 A	8	Crimp	0.15 – 1.5 mm²	HDC MMBIT 8	3092870000 3092880000 3092890000 3092990000	3092840000 3092850000 3092860000	C.45
		2	50 V	10 A	2	Crimp	0.14 – 2.5 mm²	HDC MEMC 2	2748560000	2748570000	C.46
		1	50 V	1,5 A	4	Crimp, Lötanschluss	0.14 – 2.5 mm²	HDC MCOAX 4	2748540000	2748550000	C.48
		1	–	–	2	Data module	–	HDC MBUS 2	1428990000	1429020000	C.49
		0.5	–	–	–	Dummy module	–	HDC MDU	1429040000		C.50
		1	50 V	1 A	1	RJ45 module		HDC MRJ45	2592250000	2592030000	C.67
		1	–	–	2 – 3	Pneumatic module		HDC MPN	2637320000 2637340000		C.69 C.70

RockStar® ModuPlug frames

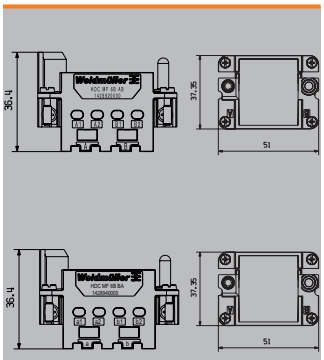
Size 3

ModuPlug® metal frame

Frame

Version	Type	Order No.
	HDC MF 6B AB	1428920000
	HDC MF 6B BA	1428940000

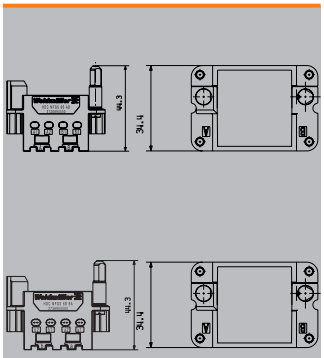
Note 2 module slots; double-sided PE screw connection: 0.5 - 10 mm² (AWG 20 ... 8); prepared conductor in accordance with IEC 60999-1



Frame with short guiding pin

Version	Type	Order No.
	HDC MFGS 6B AB	2736890000
	HDC MFGS 6B BA	2736900000

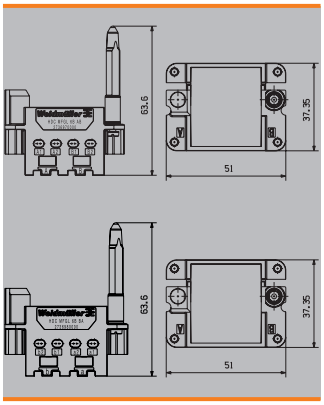
Note 2 module slots. With this variant, the PE connection on both sides is not required.



Frame with long guiding pin

Version	Type	Order No.
	HDC MFGL 6B AB	2736970000
	HDC MFGL 6B BA	2736980000

Note 2 module slots. With this variant, the PE connection on both sides is not required.



Transport lock

Transport lock for ModuPlug® metal frame	
HDC MF FIXING	1480290000

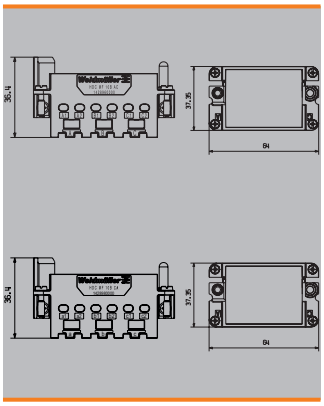
Size 4

ModuPlug® metal frame

Frame

Version	Type	Order No.
	HDC MF 10B AC	1428960000
	HDC MF 10B CA	1428980000

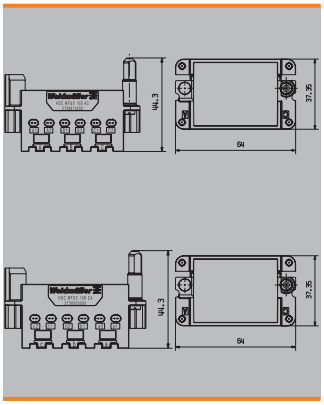
Note	3 module slots; double-sided PE screw connection: 0.5 - 10 mm² (AWG 20 ... 8); prepared conductor in accordance with IEC 60999-1



Frame with short guiding pin

Version	Type	Order No.
	HDC MFGS 10B AC	2736910000
	HDC MFGS 10B CA	2736920000

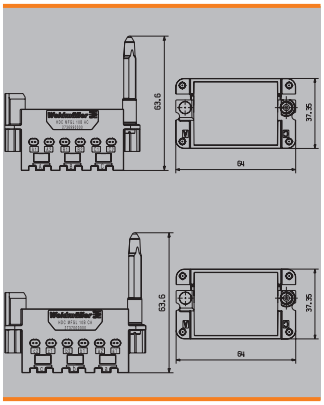
Note	3 module slots. With this variant, the PE connection on both sides is not required.



Frame with long guiding pin

Version	Type	Order No.
	HDC MFGL 10B AC	2736990000
	HDC MFGL 10B CA	2737000000

Note	3 module slots. With this variant, the PE connection on both sides is not required.



Transport lock

Transport lock for ModuPlug® metal frame	
HDC MF FIXING	1480290000

RockStar® ModuPlug frames

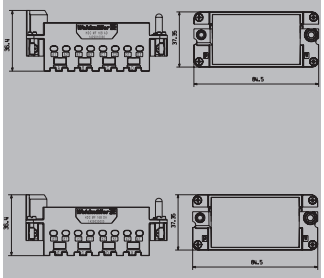
Size 6

ModuPlug® metal frame

Frame

Version	Type	Order No.
	HDC MF 16B AD	1429010000
	HDC MF 16B DA	1429030000

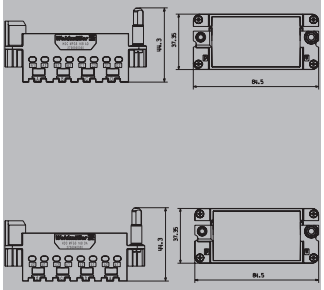
Note 4 module slots; double-sided PE screw connection: 0.5 - 10 mm² (AWG 20 ... 8); prepared conductor in accordance with IEC 60999-1



Frame with short guiding pin

Version	Type	Order No.
	HDC MFGS 16B AD	2736930000
	HDC MFGS 16B DA	2736940000

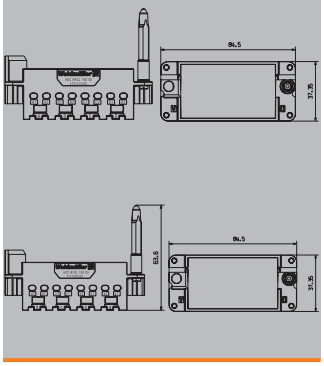
Note 4 module slots. With this variant, the PE connection on both sides is not required.



Frame with long guiding pin

Version	Type	Order No.
	HDC MFGL 16B AD	2737010000
	HDC MFGL 16B DA	2737020000

Note 4 module slots. With this variant, the PE connection on both sides is not required.



Transport lock

Transport lock for ModuPlug® metal frame	
HDC MF FIXING	1480290000

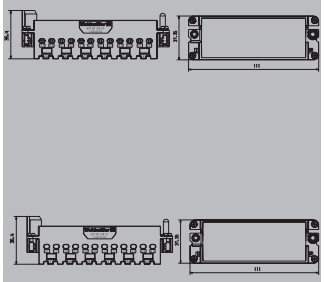
Size 8

ModuPlug® metal frame

Frame

Version	Type	Order No.
	HDC MF 24B AF	1429050000
	HDC MF 24B FA	1429070000

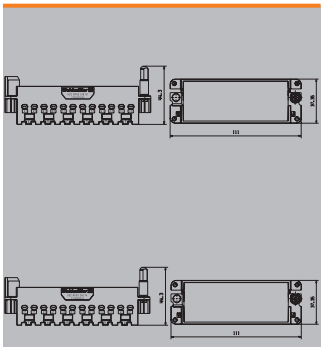
Note	6 module slots; double-sided PE screw connection: 0.5 - 10 mm² (AWG 20 ... 8); prepared conductor in accordance with IEC 60999-1



Frame with short guiding pin

Version	Type	Order No.
	HDC MFGS 24B AF	2736950000
	HDC MFGS 24B FA	2736960000

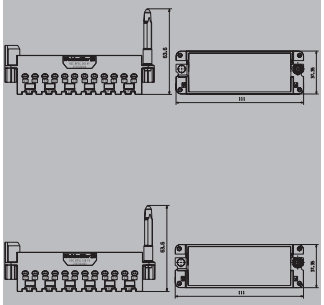
Note	6 module slots. With this variant, the PE connection on both sides is not required.



Frame with long guiding pin

Version	Type	Order No.
	HDC MFGL 24B AF	2737030000
	HDC MFGL 24B FA	2737040000

Note	6 module slots. With this variant, the PE connection on both sides is not required.



Transport lock

Transport lock for ModuPlug® metal frame	
HDC MF FIXING	1480290000

RockStar® ModuPlug modules

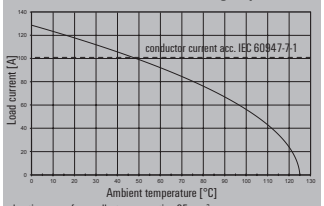
ModuPlug®
HDC MHP 200
Crimp connection

Technical data

Contact inserts	
Number of poles	1
Rated current (DIN EN 61984)	200 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1.5

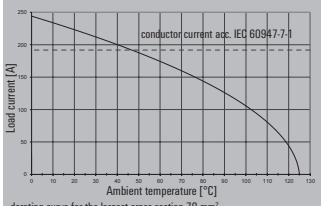
Note

HP 200 with H07V-K25 / IP65 housing / 4 poles



derating curve for smallest cross-section 25 mm²

HP 200 / IP65 housing / 4 poles

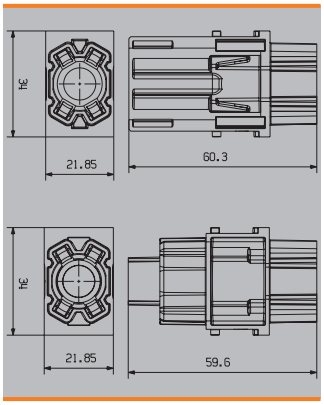


derating curve for the largest cross-section 70 mm²

Crimp connection

Version	Type	Order No.
Male	HDC MHP 200 MC	**2548900000**
Female	HDC MHP 200 FC	**2549260000**

Note

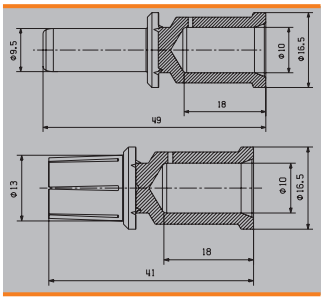


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP200 M 25	**2514860000**	HDC MHP200 F 25	**2514820000**
10	HDC MHP200 M 35	**2514870000**	HDC MHP200 F 35	**2514830000**
10	HDC MHP200 M 50	**2514880000**	HDC MHP200 F 50	**2514840000**
10	HDC MHP200 M 70	**2514890000**	HDC MHP200 F 70	**2514850000**



EPG 45

Contact Removal Tool	
HDC MHP200 REMOVAL TOOL	**2617240000**
Pressing tool	
EPG 45	**1500830000**

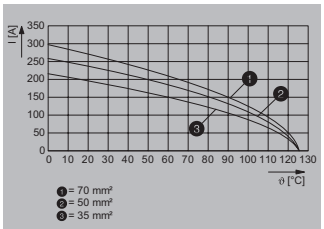
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHP 200
Axial screw connection

Technical data

Contact inserts	
Number of poles	1
Rated current (DIN EN 61984)	200 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	25...70 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	2

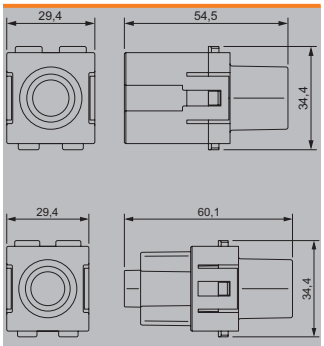
Note



Axial screw connection

Version	Type	Order No.
Male	HDC MHP 200 MAS	**2748240000**
Female	HDC MHP 200 FAS	**2748250000**

Note A hexagon socket with SW5 is required for the axial screw contact.



ModuPlug®
HDC MHP 200 PE
Axial screw connection

Technical data

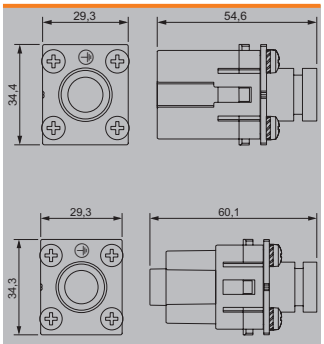
Contact inserts	
Number of poles	1
Conductor cross-section	25...70 mm²
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	2

Note

Axial screw connection

Version	Type	Order No.
Male	HDC MHP 200 PE MAS	2748260000
Female	HDC MHP 200 PE FAS	2748270000

Note An allen key with SW5 is required for the axial screw contact.



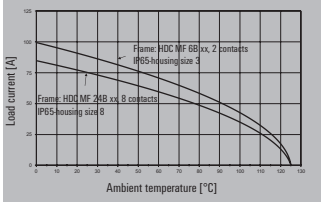
ModuPlug®
HDC MHP 100
Crimp connection

Technical data

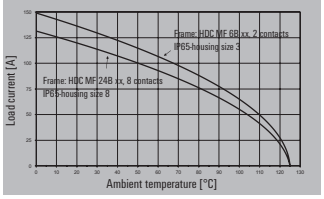
Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	100 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1.5

Note

HDC-MHP100-modules in the IP65-housing, Conductor H07V-K10:



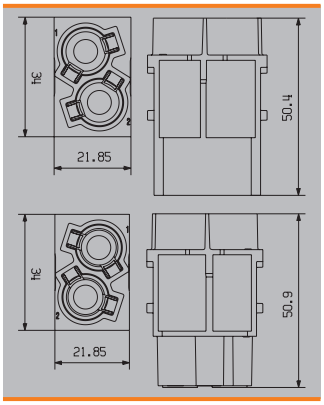
HDC-MHP100-modules in the IP65-housing, Conductor H07V-K35:



Crimp connection

Version	Type	Order No.
Male	HDC MHP 100 MC	1429060000
Female	HDC MHP 100 FC	1429080000

Note

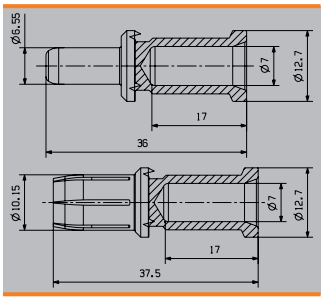


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP100 M 10	1435750000	HDC MHP100 F 10	1435790000
10	HDC MHP100 M 16	1435760000	HDC MHP100 F 16	1435810000
10	HDC MHP100 M 25	1435770000	HDC MHP100 F 25	1435820000
10	HDC MHP100 M 35	1435780000	HDC MHP100 F 35	1435830000



EPG 45

Contact Removal Tool	
HDC MHP100 REMOVAL TOOL	1480380000
Pressing tool	
EPG 45	1500830000

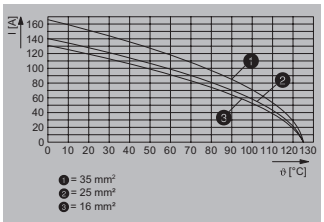
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHP 100
Axial screw connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	100 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	10...35 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	2

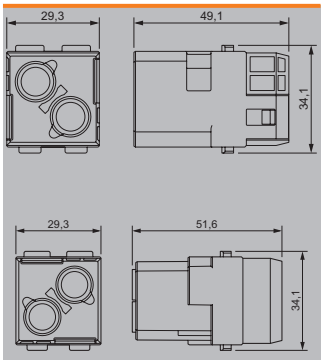
Note



Axial screw connection

Version	Type	Order No.
Male	HDC MHP 100 MAS	2748280000
Female	HDC MHP 100 FAS	2748290000

Note An allen key with SW5 is required for the axial screw contact.

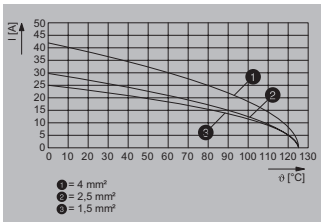


ModuPlug®
HDC MHE 2 HV
Crimp connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	2900 V
Rated impulse voltage (DIN EN 61984)	15 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	2

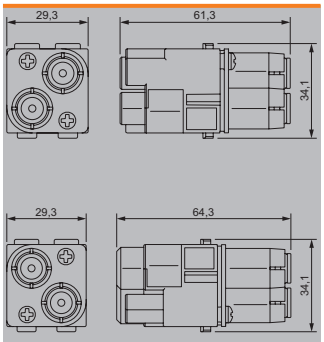
Note



Crimp connection

Version	Type	Order No.
Male	HDC MHE 2 HV MC	2748380000
Female	HDC MHE 2 HV FC	2748390000

Note



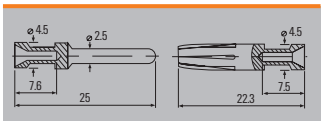
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC-C-HE-SM0.5AG	1200500000	HDC-C-HE-BM0.5AG	1201100000
100	HDC-C-HE-SM0.75-1.00AG	1200600000	HDC-C-HE-BM0.75-1.00AG	1201200000
100	HDC-C-HE-SM1.5AG	1200700000	HDC-C-HE-BM1.5AG	1201300000
100	HDC-C-HE-SM2.5AG	1200800000	HDC-C-HE-BM2.5AG	1201400000
100	HDC-C-HE-SM4.0AG	1200900000	HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section	Insulation stripping length	
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HE	1866750000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

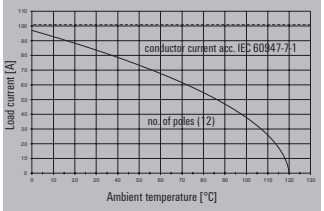
ModuPlug®
HDC MHP 70
Crimp connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	70 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

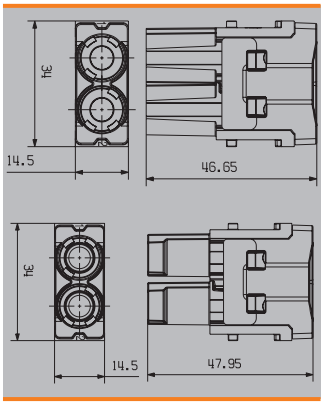
HP MHP 70 / H07V-K25



Crimp connection

Version	Type	Order No.
Male	HDC MHP 70 MC	2668190000
Female	HDC MHP 70 FC	2668180000

Note The module cap must be removed to release the contacts. No contact release tool required.

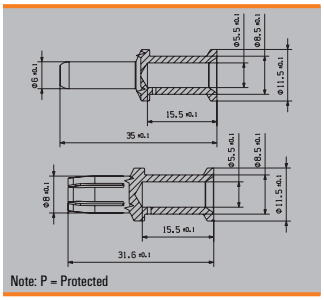


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP70 M 6	2668280000	HDC MHP70 F 6	2668210000
10	HDC MHP70 M 6 P	2691190000	HDC MHP70 F 10	2668200000
10	HDC MHP70 M 10	2668350000	HDC MHP70 F 16	2668220000
10	HDC MHP70 M 10 P	2691240000	HDC MHP70 F 25	2668260000
10	HDC MHP70 M 16	2668360000		
10	HDC MHP70 M 16 P	2691250000		
10	HDC MHP70 M 25	2668370000		
10	HDC MHP70 M 25 P	2691260000		



Note: P = Protected

EPG 45

Pressing tool	
EPG 45	1500830000

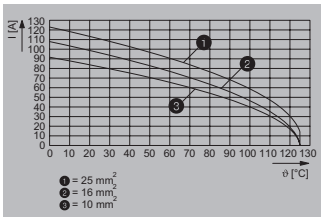
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHP 70
Axial screw connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	70 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	4...25 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

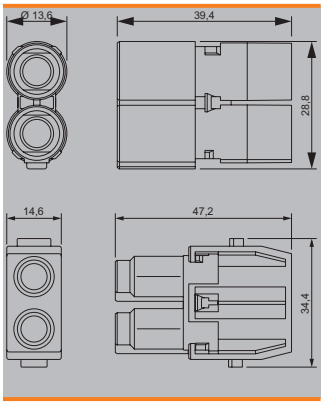
Note



Axial screw connection

Version	Type	Order No.
Male	HDC MHP 70 MAS	2748300000
Female	HDC MHP 70 FAS	2748310000

Note An allen key with SW5 is required for the axial screw contact.

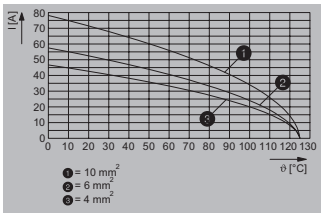


ModuPlug®
HDC MHX 2
Crimp connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	830 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

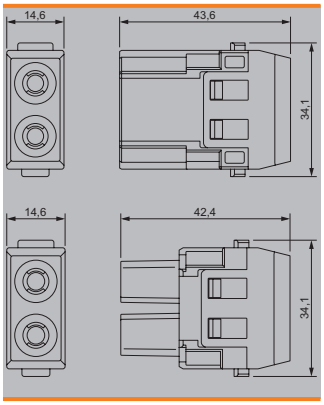
Note



Crimp connection

Version	Type	Order No.
Male	HDC MHX 2 MC	2748340000
Female	HDC MHX 2 FC	2748350000

Note

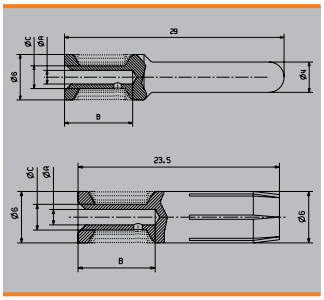


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
25	HDC C HX SM1.5AG	1002910000	HDC C HX BM1.5AG	1002950000
25	HDC C HX SM2.5AG	1002920000	HDC C HX BM2.5AG	1002960000
25	HDC C HX SM4.0AG	1002930000	HDC C HX BM4.0AG	1002970000
25	HDC C HX SM6.0AG	1002940000	HDC C HX BM6.0AG	1002980000
25	HDC C MHX SM10.0AG	2494550000	HDC C MHX BM10.0AG	2494560000



Tools

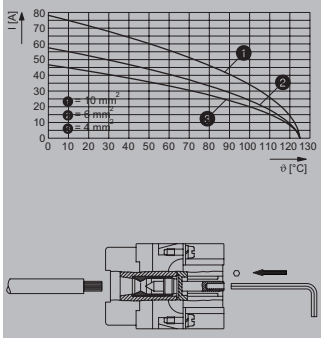
Contact Removal Tool		
REMOVAL TOOL HX		1002990000
Pressing tool		
CTIN CM 1.6/2.5		9205430000
Note	Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.	

ModuPlug®
HDC MHX 2
Axial screw connection

Technical data

Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	690 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	2.5…10 mm²
Surge voltage category	III
Limit temperature	-40 °C … 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

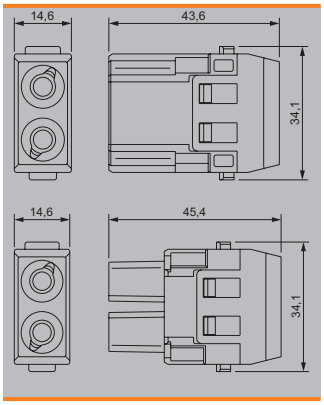
Note



Axial screw connection

Version	Type	Order No.
Male	HDC MHX 2 MAS	2748320000
Female	HDC MHX 2 FAS	2748330000

Note



RockStar® ModuPlug modules

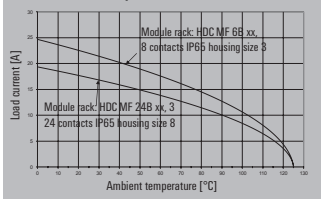
ModuPlug®
HDC MHX 4P
Crimp connection

Technical data

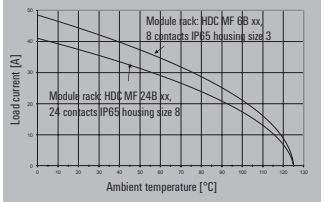
Contact inserts	
Number of poles	4
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	830 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHX 4P - modules in IP65 housing / H07V-K1.5 / 8 or 24 poles



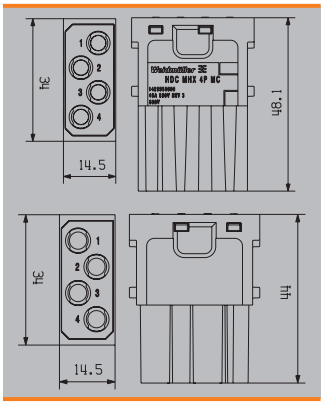
HDC-MHX 4P - modules in IP65 housing / H07V-K6.0 / 8 or 24 poles



Crimp connection

Version	Type	Order No.
Pin	HDC MHX 4P MC	1428950000
Female	HDC MHX 4P FC	1428970000

Note

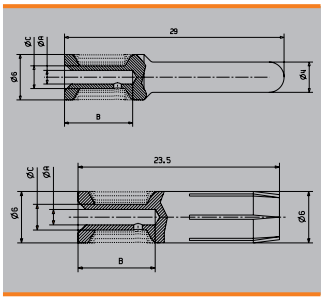


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
25	HDC C HX SM1.5AG	1002910000	HDC C HX BM1.5AG	1002950000
25	HDC C HX SM2.5AG	1002920000	HDC C HX BM2.5AG	1002960000
25	HDC C HX SM4.0AG	1002930000	HDC C HX BM4.0AG	1002970000
25	HDC C HX SM6.0AG	1002940000	HDC C HX BM6.0AG	1002980000



Tools

Contact Removal Tool	
REMOVAL TOOL HX	1002990000
Pressing tool	
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

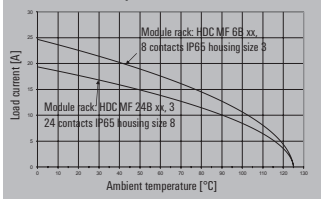
ModuPlug®
HDC MHX 4P
PUSH IN connection

Technical data

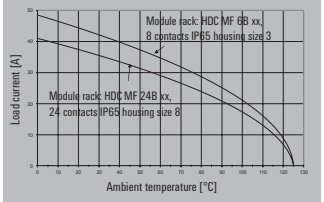
Contact inserts	
Number of poles	4
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	830 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Conductor cross-section	2.5...6 mm²
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

Note

HDC-MHX 4P - modules in IP65 housing / H07V-K1.5 / 8 or 24 poles



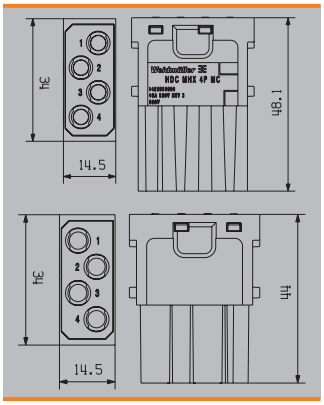
HDC-MHX 4P - modules in IP65 housing / H07V-K6.0 / 8 or 24 poles



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHX 4P MP	2772800000
Female	HDC MHX 4P FP	2772810000

Note



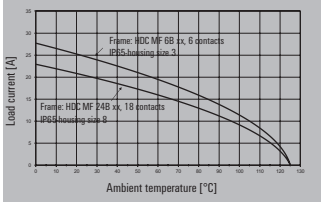
ModuPlug®
HDC MHX 3
Crimp connection

Technical data

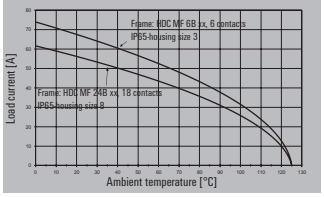
Contact inserts	
Number of poles	3
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	690 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K1.5:



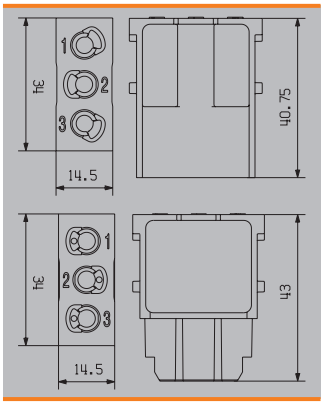
HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K10:



Crimp connection

Version	Type	Order No.
Pin	HDC MHX 3 MC	1429340000
Female	HDC MHX 3 FC	1429350000

Note

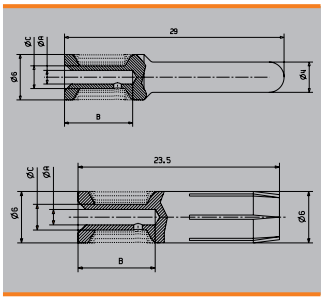


Accessories

Crimping contact

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
25	HDC C HX SM1.5AG	1002910000	HDC C HX BM1.5AG	1002950000
25	HDC C HX SM2.5AG	1002920000	HDC C HX BM2.5AG	1002960000
25	HDC C HX SM4.0AG	1002930000	HDC C HX BM4.0AG	1002970000
25	HDC C HX SM6.0AG	1002940000	HDC C HX BM6.0AG	1002980000
25	HDC C MHX SM10.0AG	2494550000	HDC C MHX BM10.0AG	2494560000



Tools

Contact Removal Tool	
REMOVAL TOOL HX	1002990000
Pressing tool	
CTIN CM 1.6/2.5	9205430000
Note	Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

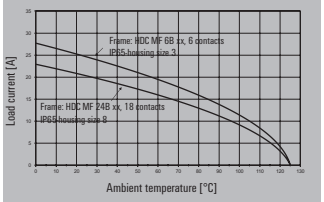
ModuPlug®
HDC MHX 3
PUSH IN connection

Technical data

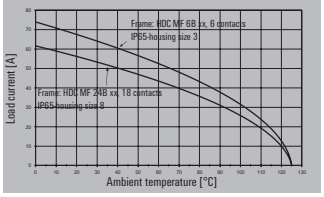
Contact inserts	
Number of poles	3
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	690 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Conductor cross-section	2.5...6 mm²
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

Note

HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K1.5:



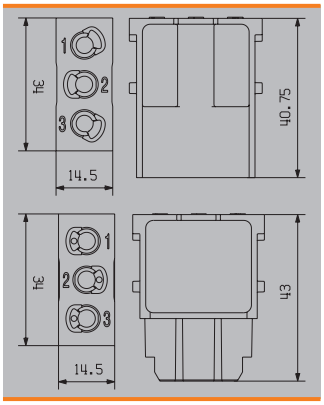
HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K10:



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHX 3 MP	2772780000
Female	HDC MHX 3 FP	2772790000

Note



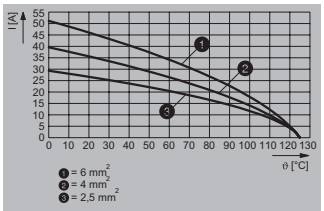
RockStar® ModuPlug modules

ModuPlug®
HDC MHX 3/4
Crimp connection

Technical data

Power contact	
Clamping range, power contact, min.	1.5...6 mm²
Number of poles, performance contact	3
Rated current (DIN EN 61984), power contact	40 A
Rated impulse voltage (DIN EN 61984), power contact	8 kV
Rated voltage (DIN EN 61984), power contact	500 V
Stripping length, performance contact	9 mm
Signal contact	
Clamping range, signal contact, min.	0.14...2.5 mm²
Number of poles, signal	4
Rated current (DIN EN 61984), signal	10 A
Rated impulse voltage (DIN EN 61984), signal	8 kV
Rated voltage (DIN EN 61984), signal contact	500 V
Stripping length, signal	8 mm

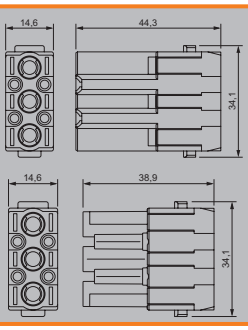
Note



Crimp connection

Version	Type	Order No.
Male	HDC MHX 3/4 MC	2748360000
Female	HDC MHX 3/4 FC	2748370000

Hinweis



Accessories

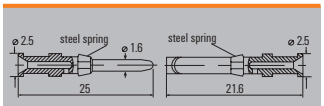
Crimping contact

Surface finish gold

Surface finish silver

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000
25	HDC C HX SM1.5AG	1002910000	HDC C HX BM1.5AG	1002950000
25	HDC C HX SM2.5AG	1002920000	HDC C HX BM2.5AG	1002960000
25	HDC C HX SM4.0AG	1002930000	HDC C HX BM4.0AG	1002970000
25	HDC C HX SM6.0AG	1002940000	HDC C HX BM6.0AG	1002980000



Conductor cross-section	Insulation stripping length	
0.14 - 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 - 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

Tools

Crimping tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5*	9205430000
Contact removal tool	
REMOVAL TOOL HD	1866730000
REMOVAL TOOL HX	1002990000

Note *for the power jumper contacts (HDC C HX...)

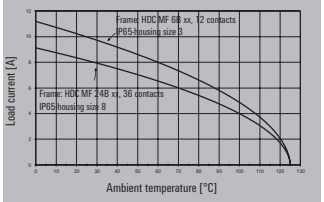
ModuPlug®
HDC MHE 6P
Crimp connection

Technical data

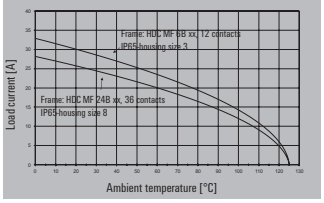
Contact inserts	
Number of poles	6
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	830 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHE 6P-modules in the IP65-housing, Conductor H05V-K0.5:



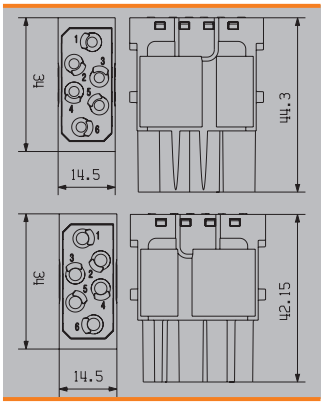
HDC-MHE 6P-modules in the IP65-housing, Conductor H07V-K4.0:



Crimp connection

Version	Type	Order No.
Male	HDC MHE 6P MC	1505650000
Female	HDC MHE 6P FC	1505660000

Note



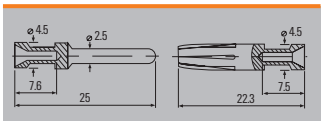
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC-C-HE-SM0.5AG	1200500000	HDC-C-HE-BM0.5AG	1201100000
100	HDC-C-HE-SM0.75-1.00AG	1200600000	HDC-C-HE-BM0.75-1.00AG	1201200000
100	HDC-C-HE-SM1.5AG	1200700000	HDC-C-HE-BM1.5AG	1201300000
100	HDC-C-HE-SM2.5AG	1200800000	HDC-C-HE-BM2.5AG	1201400000
100	HDC-C-HE-SM4.0AG	1200900000	HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section		Insulation stripping length
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HE	1866750000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

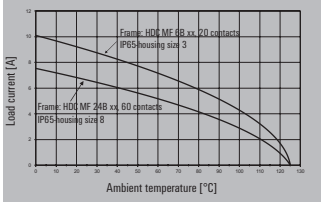
ModuPlug®
HDC MHE 20
Crimp connection

Technical data

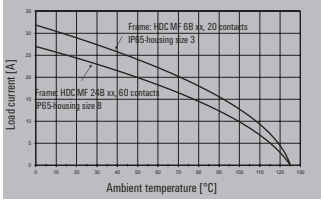
Contact inserts	
Number of poles	20
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	500 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	2

Note

HDC-MHE 20-modules in the IP65-housing, Conductor H05V-K0.5:



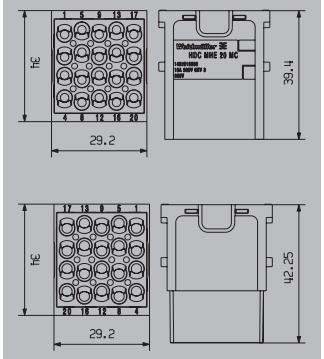
HDC-MHE 20-moduls in the IP65-housing, Conductor H07V-K4.0:



Crimp connection

Version	Type	Order No.
Male	HDC MHE 20 MC	1428910000
Female	HDC MHE 20 FC	1428930000

Note



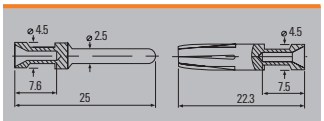
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC-C-HE-SM0.5AG	1200500000	HDC-C-HE-BM0.5AG	1201100000
100	HDC-C-HE-SM0.75-1.00AG	1200600000	HDC-C-HE-BM0.75-1.00AG	1201200000
100	HDC-C-HE-SM1.5AG	1200700000	HDC-C-HE-BM1.5AG	1201300000
100	HDC-C-HE-SM2.5AG	1200800000	HDC-C-HE-BM2.5AG	1201400000
100	HDC-C-HE-SM4.0AG	1200900000	HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section	Insulation stripping length	
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HE	1866750000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

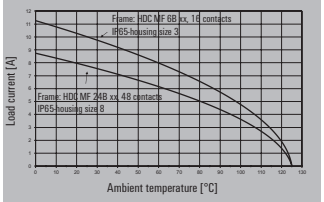
ModuPlug®
HDC MHE 8
Crimp connection

Technical data

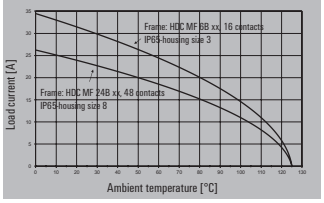
Contact inserts	
Number of poles	8
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	400 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHE 8-modules in the IP65-housing, Conductor H05V-K0.5:



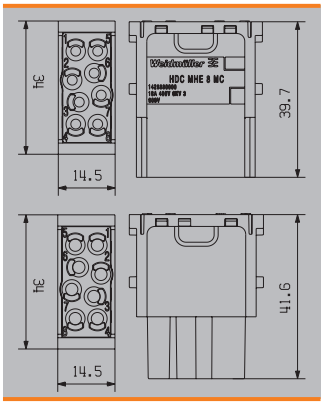
HDC-MHE 8-modules in the IP65-housing, Conductor H07V-K4.0:



Crimp connection

Version	Type	Order No.
Male	HDC MHE 8 MC	1428880000
Female	HDC MHE 8 FC	1428890000

Note



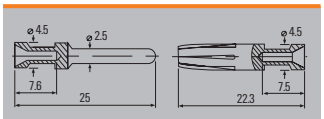
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC-C-HE-SM0.5AG	1200500000	HDC-C-HE-BM0.5AG	1201100000
100	HDC-C-HE-SM0.75-1.00AG	1200600000	HDC-C-HE-BM0.75-1.00AG	1201200000
100	HDC-C-HE-SM1.5AG	1200700000	HDC-C-HE-BM1.5AG	1201300000
100	HDC-C-HE-SM2.5AG	1200800000	HDC-C-HE-BM2.5AG	1201400000
100	HDC-C-HE-SM4.0AG	1200900000	HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section		Insulation stripping length
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HE	1866750000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHE 8
PUSH IN connection

Technical data

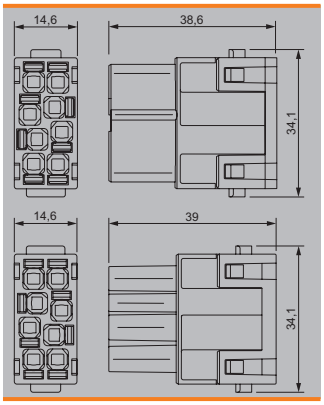
Contact inserts	
Number of poles	8
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	400 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Conductor cross-section	0.5...2.5 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

Note

PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHE 8 MP	2748440000
Female	HDC MHE 8 FP	2748450000

Note



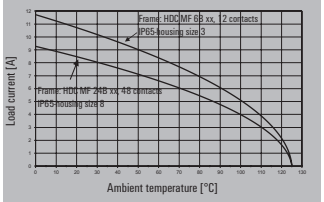
ModuPlug®
HDC MHE 6
Crimp connection

Technical data

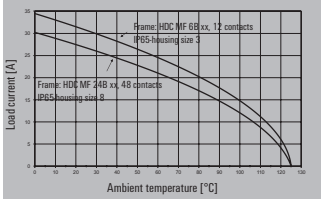
Contact inserts	
Number of poles	6
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	500 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHE 6-modules in the IP65-housing, Conductor H05V-K0.5:



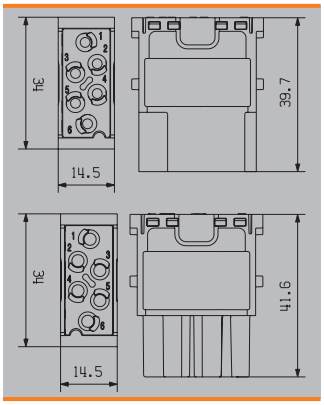
HDC-MHE 6-modules in the IP65-housing, Conductor H07V-K4.0:



Crimp connection

Version	Type	Order No.
Male	HDC MHE 6 MC	1429360000
Female	HDC MHE 6 FC	1429370000

Note



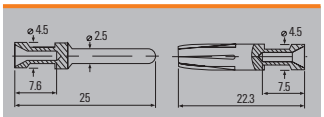
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC-C-HE-SM0.5AG	1200500000	HDC-C-HE-BM0.5AG	1201100000
100	HDC-C-HE-SM0.75-1.00AG	1200600000	HDC-C-HE-BM0.75-1.00AG	1201200000
100	HDC-C-HE-SM1.5AG	1200700000	HDC-C-HE-BM1.5AG	1201300000
100	HDC-C-HE-SM2.5AG	1200800000	HDC-C-HE-BM2.5AG	1201400000
100	HDC-C-HE-SM4.0AG	1200900000	HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section		Insulation stripping length
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HE	1866750000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

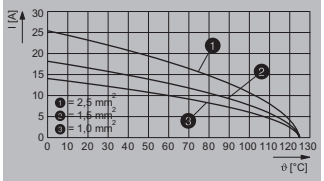
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHE 6
PUSH IN connection

Technical data

Contact inserts	
Number of poles	6
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	500 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Conductor cross-section	0.5...2.5 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

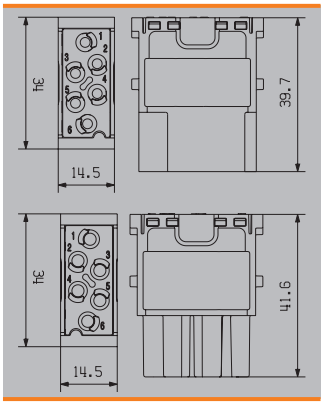
Note



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHE 6 MP	2748420000
Female	HDC MHE 6 FP	2748430000

Note



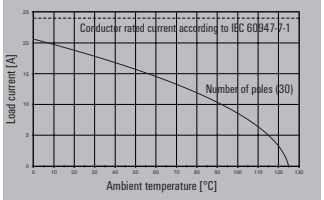
ModuPlug®
HDC MHE 5
PUSH IN connection

Technical data

Contact inserts	
Number of poles	5
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	400 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Line connection cross-section	0.5...2.5 mm²
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

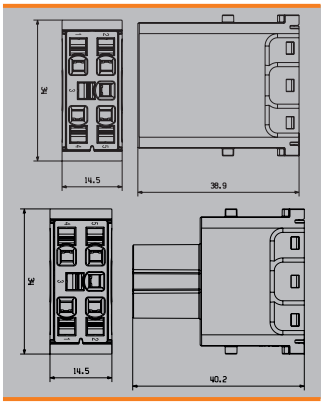
HDC MHE 5 FP with HDC MHE 5 MP / H07V-K2.5



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHE 5 MP	2636180000
Female	HDC MHE 5 FP	2636190000

Note

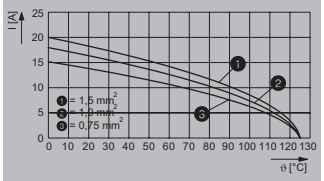


ModuPlug®
HDC MHE 5L
PUSH IN connection

Technical data

Contact inserts	
Number of poles	5
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	230 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	0.25…1.5 mm²
Surge voltage category	III
Limit temperature	-40 °C … 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

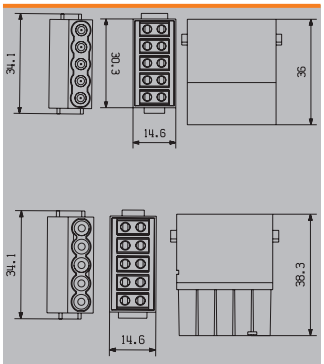
Note



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHE 5L MP	2748400000
Female	HDC MHE 5L FP	2748410000

Note Two conductor connections per contact

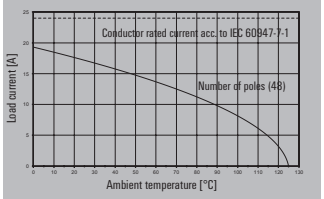


ModuPlug®
HDC MHE 4
PUSH IN connection

Technical data

Contact inserts	
Number of poles	4
Number of potentials	4
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	0.5
Line connection cross-section	0.5...2.5 mm²
Note	

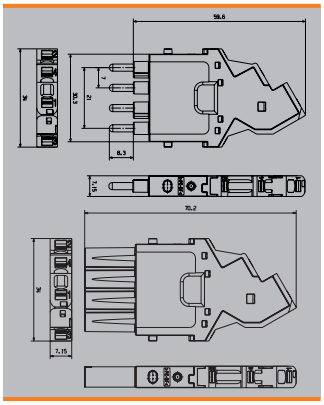
HDC MHE 4 FP with HDC MHE 4 MP / H07V-K2.5



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHE 4 MP	2635980000
Female	HDC MHE 4 FP	2635990000

Note

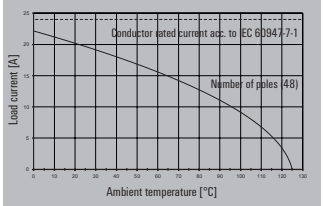


ModuPlug®
HDC MHE 4X
PUSH IN connection

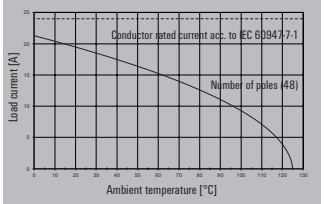
Technical data

Contact inserts	
Number of poles	4
Number of potentials	4
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	0.5
Line connection cross-section	0.5...2.5 mm²
Note	

HDC MHE 4X MP with HDC MHE 4FP / H07V-K2.5



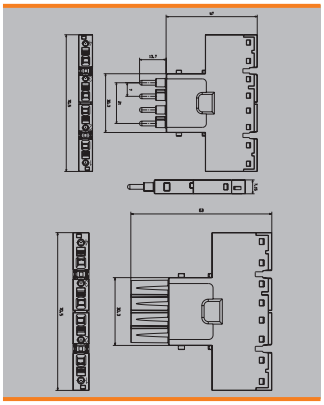
HDC MHE 4X FP with HDC MHE 4MP / H07V-K2.5



PUSH IN with actuator

Version	Type	Order No.
Pin	HDC MHE 4X MP	2636070000
Female	HDC MHE 4X FP	2636060000

Note



Accessories

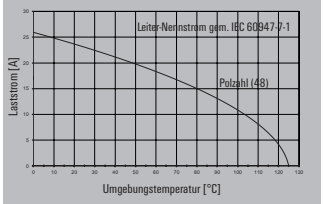
Cross connections	
HDC MXCC2 4X	2709710000
HDC MXCC3 4X	2709720000
HDC MXCC4 4X	2709730000
HDC MXCC5 4X	2709740000
HDC MXCC6 4X	2709750000
HDC MXCC7 4X	2709770000
HDC MXCC8 4X	2709780000
HDC MXCC9 4X	2709790000
HDC MXCC10 4X	2709800000
HDC MXCC11 4X	2709810000
HDC MXCC12 4X	2709820000
Markers	
HDC MMARK 4	2710590000
Note	

ModuPlug®
HDC MHE 4X2
PUSH IN connection

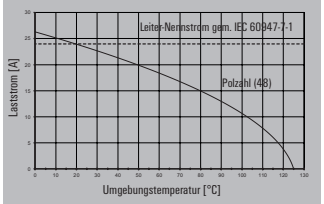
Technical data

Contact inserts	
Number of poles	4
Number of potentials	2
Rated current (DIN EN 61984)	16 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	0.5
Line connection cross-section	0.5...2.5 mm²
Note	

HDC MHE 4X2 MP mit HDC MHE 4FP / H07V-K2,5



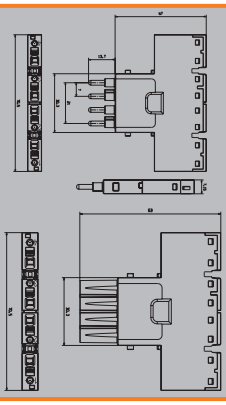
HDC MHE 4X2 FP mit HDC MHE 4MP / H07V-K2,5



PUSH IN with actuator

Version	Type	Order No.
Pin	HDC MHE 4X2 MP	2636090000
Female	HDC MHE 4X2 FP	2636080000

Note The two external contacts are internally cross-connected



Accessories

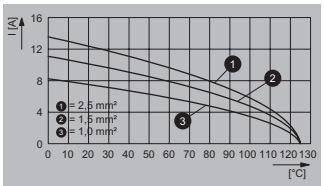
Cross connections	
HDC MXCC2 4X	2709710000
HDC MXCC3 4X	2709720000
HDC MXCC4 4X	2709730000
HDC MXCC5 4X	2709740000
HDC MXCC6 4X	2709750000
HDC MXCC7 4X	2709770000
HDC MXCC8 4X	2709780000
HDC MXCC9 4X	2709790000
HDC MXCC10 4X	2709800000
HDC MXCC11 4X	2709810000
HDC MXCC12 4X	2709820000
Markers	
HDC MMARK 4	2710590000
Note	

ModuPlug®
HDC MHD 42
Crimp connection

Technical data

Contact inserts	
Number of poles	42
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	150 V
Rated impulse voltage (DIN EN 61984)	2.5 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	2

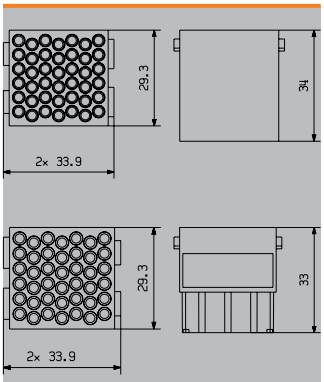
Note



Crimp connection

Version	Type	Order No.
Female	HDC MHD 42 FC	3011310000
Male	HDC MHD 42 MC	3011270000

Note



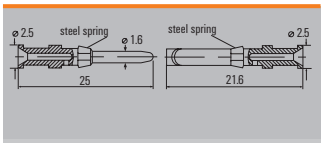
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HD	1866730000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

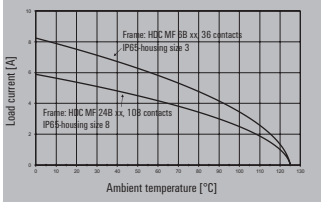
ModuPlug®
HDC MHD 36
Crimp connection

Technical data

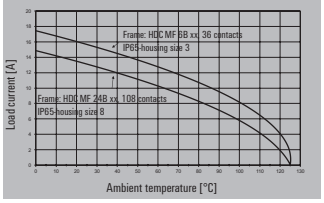
Contact inserts	
Number of poles	36
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	2

Note

HDC-MHD 36-modules in the IP65-housing, Conductor H05V-K0.5:



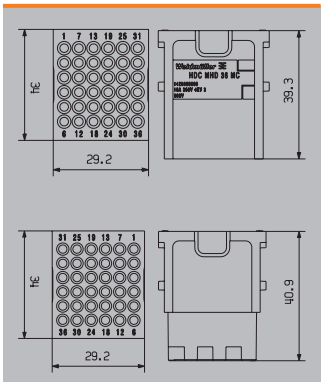
HDC-MHD 36-modules in the IP65-housing, Conductor H07V-K2.5:



Crimp connection

Version	Type	Order No.
Male	HDC MHD 36 MC	1428860000
Female	HDC MHD 36 FC	1428870000

Note



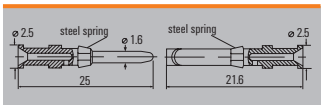
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HD	1866730000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

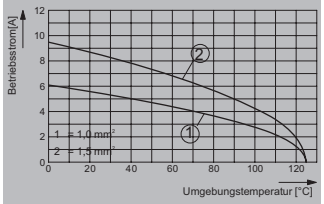
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHD 17
Crimp connection

Technical data

Contact inserts	
Number of poles	17
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	160 V
Rated impulse voltage (DIN EN 61984)	2.5 kV
Pollution severity	3
Rated voltage according to UL/CSA	160 V
Conductor cross-section	0.14...2.5 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

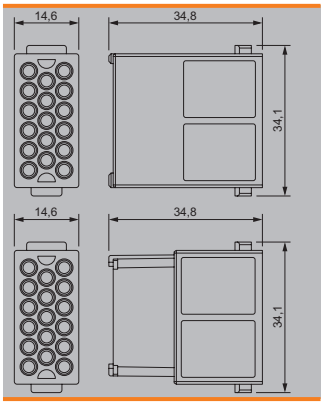
Note



Crimp connection

Version	Type	Order No.
Male	HDC MHD 17 MC	2748480000
Female	HDC MHD 17 FC	2748490000

Note



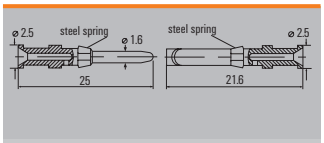
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HD	1866730000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

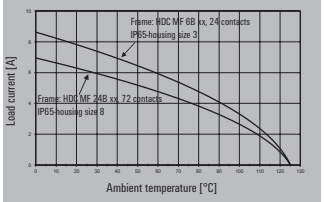
ModuPlug®
HDC MHD 12
Crimp connection

Technical data

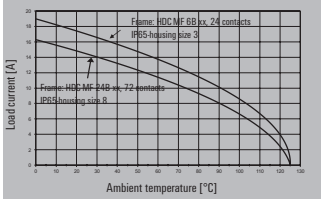
Contact inserts	
Number of poles	12
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

HDC-MHD 12-modules in the IP65-housing, Conductor H05V-K0.5:



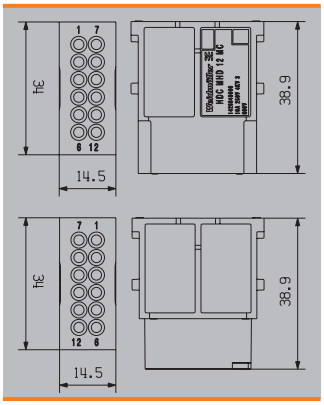
HDC-MHD 12-modules in the IP65-housing, Conductor H07V-K2.5:



Crimp connection

Version	Type	Order No.
Male	HDC MHD 12 MC	1428840000
Female	HDC MHD 12 FC	1428850000

Note



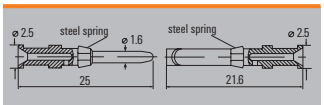
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

Tools

Contact Removal Tool	
REMOVAL TOOL HD	1866730000
Pressing tool	
CTX CM 1.6/2.5	9018490000
CTIN CM 1.6/2.5	9205430000

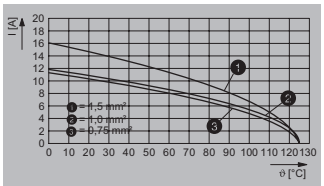
Note Overview of the crimp inserts in the chapter RockStar® Accessories, tools and cable entries.

ModuPlug®
HDC MHD 12
PUSH IN connection

Technical data

Contact inserts	
Number of poles	12
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Rated voltage according to UL/CSA	600 V
Conductor cross-section	0.14...1.5 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

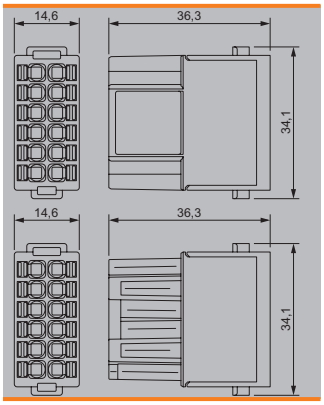
Note



PUSH IN with actuator

Version	Type	Order No.
Male	HDC MHD 12 MP	2748460000
Female	HDC MHD 12 FP	2748470000

Note

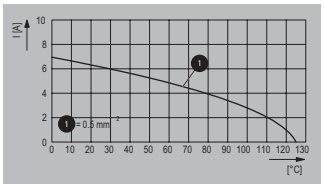


ModuPlug®
HDC MHS 25
Crimp connection

Technical data

Contact inserts	
Number of poles	25
Rated current (DIN EN 61984)	4 A
Rated voltage (DIN EN 61984)	30 V
Rated impulse voltage (DIN EN 61984)	0.8 kV
Pollution severity	3
Rated voltage according to UL/CSA	
Conductor cross-section	0.08...0.5 mm²
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

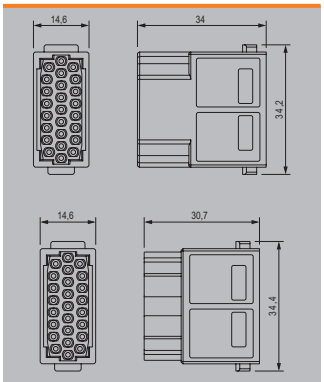
Note



Crimp connection

Version	Type	Order No.
Male	HDC MHS 25 MC	2748500000
Female	HDC MHS 25 FC	2748510000

Note



Accessories

Crimping contact

Surface finish gold

	Male		Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC C HS SM0.08-0.12 AU	2748710000	HDC C HS BM0.08-0.12 AU	2748730000
100	HDC C HS SM0.2-0.5 AU	2748700000	HDC C HS BM0.2-0.5 AU	2748720000

Pressing tool	
HDC MBUS CT X/D 0.6/1.0	2592650000
HDC MBUS CL X/D0.09/0.5	3125010000

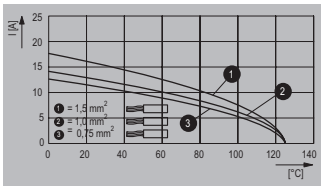
Note

ModuPlug®
HDC MGBIT 8
Crimp connection

Technical data

Contact inserts	
Number of poles	8
Rated current (DIN EN 61984)	5 A
Rated voltage (DIN EN 61984)	50 V
Rated impulse voltage (DIN EN 61984)	0.8 kV
Pollution severity	3
Rated voltage according to UL/CSA	50 V
Conductor cross-section	0.08...0.5 mm²
Category	Cat. 6A
Limit temperature	-40 °C ... 85 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

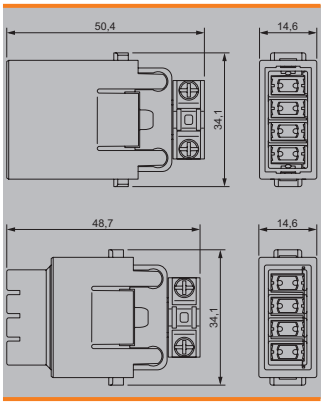
Note



Crimp connection

Version	Type	Order No.
Male	HDC MGBIT 8 MC	2748520000
Female	HDC MGBIT 8 FC M SH	3092810000
Female	HDC MGBIT 8 FC	2748530000
Male	HDC MGBIT 8 MC M SH	3092820000

Note SH=Shield potential grounded at the frame



Accessories

Crimping contact

Surface finish gold

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC C HS SM0.08-0.12 AU	2748710000	HDC C HS BM0.08-0.12 AU	2748730000
100	HDC C HS SM0.2-0.5 AU	2748700000	HDC C HS BM0.2-0.5 AU	2748720000

Pressing tool	
HDC MBUS CT X/D 0.6/1.0	2592650000
HDC MBUS CL X/D0.09/0.5	3125010000

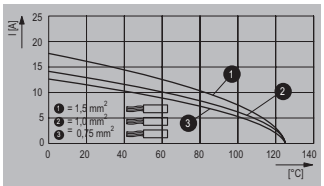
Note

ModuPlug®
HDC MMBIT 8
Crimp connection

Technical data

Contact inserts	
Number of poles	8
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	48 V
Rated impulse voltage (DIN EN 61984)	0.8 kV
Pollution severity	3
Rated voltage according to UL/CSA	
Conductor cross-section	0.14...1.5 mm²
Category	Cat. 5e
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	

Note



Crimp connection

Version	Type	Order No.
Male	HDC MMBIT 8 MC M	3092870000
Male	HDC MMBIT 8 MC M2	3092880000
Male	HDC MMBIT 8 MC M2 SH	3092890000
Male	HDC MMBIT 8 MC M SH	3092990000
Female	HDC MMBIT 8 FC M	3092830000
Female	HDC MMBIT 8 FC M2	3092840000
Female	HDC MMBIT 8 FC M2 SH	3092850000
Female	HDC MMBIT 8 FC M SH	3092860000

Note SH=Shield potential grounded at the frame
M2=prepared for two lines

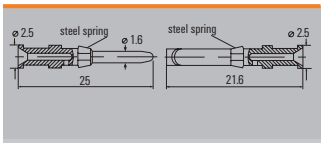
Accessories

Crimping contact

Surface finish gold

Surface finish silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HD-SM0.14-0.37AG	1651520000	HDC-C-HD-BM0.14-0.37AG	1651570000
100	HDC-C-HD-SM0.5AG	1651530000	HDC-C-HD-BM0.5AG	1651580000
100	HDC-C-HD-SM0.75-1.00AG	1601750000	HDC-C-HD-BM0.75-1.00AG	1601760000
100	HDC-C-HD-SM1.5AG	1651550000	HDC-C-HD-BM1.5AG	1651600000
100	HDC-C-HD-SM2.5AG	1651560000	HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

ModuPlug®
HDC MEMC 2
Module

Technical data

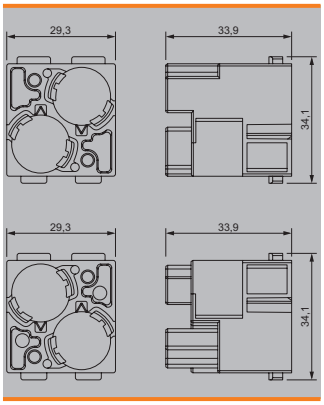
Contact inserts	
Number of poles	2
Conductor cross-section	0.14...2.5 mm²
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	2

Note

Crimp connection

Version	Type	Order No.
Male	HDC MEMC 2 MC	2748560000
Female	HDC MEMC 2 FC	2748570000

Note



ModuPlug®
HDC MEMC 2
Data inserts

Technical data

Contact inserts	
Rated current (DIN EN 61984)	HDC MBUS HD 1: 10 A HDC MBUS HE 1: 16 A HDC MBUS HD 4: 10 A HDC MBUS HS 8: 5 A
Rated voltage (DIN EN 61984)	HDC MBUS HD 1: 50 V HDC MBUS HE 1: 50 V HDC MBUS HD 4: 50 V HDC MBUS HS 8: 50 V
Pollution severity	3
Conductor cross-section	0.14...2.5 mm²
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500

Note

Crimp connection

Version	Type	Order No.
Male	HDC MBUS HD 1 M	2748630000
Male	HDC MBUS HE 1 M	2748610000
Male	HDC MBUS HD 4 M	2748590000
Male	HDC MBUS HS 8 M	2748650000
Female	HDC MBUS HD 1 F	2748620000
Female	HDC MBUS HE 1 F	2748600000
Female	HDC MBUS HD 4 F	2748580000
Female	HDC MBUS HS 8 F	2748640000

Note

Shield plate	
HDC MEMC ADP	2748740000

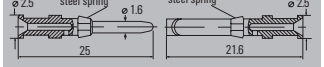
Note

Accessories

Crimping contact

Surface finish gold

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000	HDC-C-HD-BM0.14-0.37AU	1651670000
100	HDC-C-HD-SM0.5AU	1651630000	HDC-C-HD-BM0.5AU	1651680000
100	HDC-C-HD-SM0.75-1.00AU	1651640000	HDC-C-HD-BM0.75-1.00AU	1651690000
100	HDC-C-HD-SM1.5AU	1651650000	HDC-C-HD-BM1.5AU	1651700000
100	HDC-C-HD-SM2.5AU	1651660000	HDC-C-HD-BM2.5AU	1651710000
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1.00AU	1651430000	HDC-C-HE-BM0.75-1.00AU	1651480000
100	HDC-C-HE-SM1.5AU	1651440000	HDC-C-HE-BM1.5AU	1651490000
100	HDC-C-HE-SM2.5AU	1651450000	HDC-C-HE-BM2.5AU	1651500000
100	HDC-C-HE-SM4.0AU	1651460000	HDC-C-HE-BM4.0AU	1651510000
100	HDC-C-HE-SM4.65AU	1116540000	HDC-C-HE-BM4.65AU	1116530000
100	HDC C HS SM0.08-0.12 AU	2748710000	HDC C HS BM0.08-0.12 AU	2748730000
100	HDC C HS SM0.2-0.5 AU	2748700000	HDC C HS BM0.2-0.5 AU	2748720000



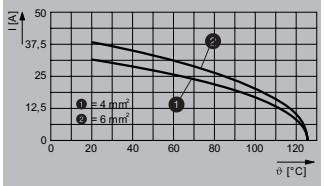
Conductor cross-section	Insulation stripping length	
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	6 mm

ModuPlug®
HDC MCOAX 4
Crimp connection, Solder connection

Technical data

Contact inserts	
Number of poles	4
Rated current (DIN EN 61984)	1.5 A
Rated voltage (DIN EN 61984)	48 V
Rated impulse voltage (DIN EN 61984)	0.8 kV
Pollution severity	3
Insulation resistance	≥10 GΩ
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate
Required plug-in slots	1

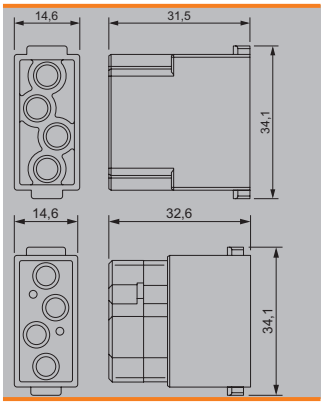
Note



Crimp connection

Version	Type	Order No.
Male	HDC MCOAX 4 MC	2748540000
Female	HDC MCOAX 4 FC	2748550000

Note



Accessories

Crimping contact

Surface finish gold

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC C COAX 50 M	2748670000	HDC C COAX 50 F	2748660000
10	HDC C COAX 75 M	2748690000	HDC C COAX 75 F	2748680000

Pressing tool	
HTX 188	9011990000
HTG 174	9012410000

Note The HTG 174 is used with 50 Ω contacts. The HTX 188 is used with 75 Ω contacts.

ModuPlug®
HDC MBUS 2

Technical data

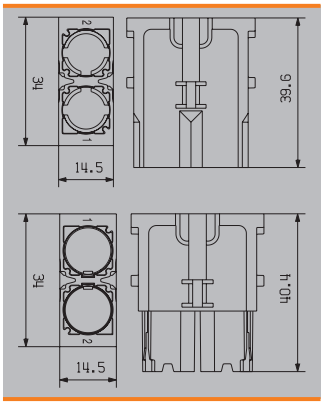
Contact inserts	
Number of poles	2
Rated current (DIN EN 61984)	
Rated voltage (DIN EN 61984)	
Rated impulse voltage (DIN EN 61984)	
Pollution severity	3
Rated voltage according to UL/CSA	
Insulation resistance	10^{12} Ω
Surge voltage category	III
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note
Contact holders for data connectors and inserts can be found in this chapter.

Crimp connection

Version	Type	Order No.
Male	HDC MBUS 2 MC	1428990000
Female	HDC MBUS 2 FC	1429020000

Note



Fixing clip

Fixing clip	
HDC MBUS 2 MCLIP	1989290000
HDC MBUS 2 PCLIP	1989300000

Note MCLIP = metal version; PCLIP = plastic version

RockStar® ModuPlug modules

ModuPlug®
HDC MDU dummy module

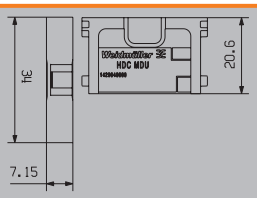
Technical data

Contact inserts	
Number of poles	0
Rated current (DIN EN 61984)	
Rated voltage (DIN EN 61984)	
Rated impulse voltage (DIN EN 61984)	
Pollution severity	3
Rated voltage according to UL/CSA	
Insulation resistance	
Surge voltage category	
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	0.5

Note

Version	Type	Order No.
Without contacts	HDC MDU	1429040000

Note



ModuPlug®
HDC MDU 2 dummy module

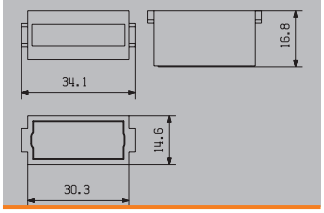
Technical data

Contact inserts	
Number of poles	0
Rated current (DIN EN 61984)	
Rated voltage (DIN EN 61984)	
Rated impulse voltage (DIN EN 61984)	
Pollution severity	3
Rated voltage according to UL/CSA	
Insulation resistance	
Surge voltage category	
Limit temperature	-40 °C ... 125 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Basic material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

Version	Type	Order No.
Without contacts	HDC MDU 2	3149600000

Note



RockStar® ModuPlug Field attachable data connector

Cat. 5, D-Type

Technical data

Contact inserts	
Number of poles	4
Nominal current	4 A
Nominal voltage	250 V
Category	Cat. 5e
Pollution severity	2
Transmission rate	100 MBit/s
Insulation resistance	≥ 100 MΩ
Coding	D-coded
Limit temperature	-40 °C ... 90 °C
Plugging cycles	100

Note

Crimp connection

Version	Type	Qty.	Order No.
Pin	HDC MBUS4 D5E MC	2	**2427920000**
Female	HDC MBUS4 D5E FC	2	**2427930000**

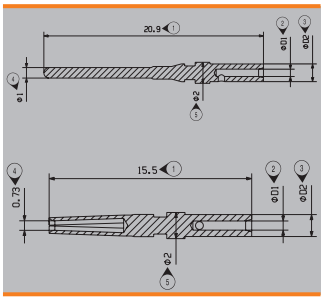
Note Accesories: Crimping tool for contacts - HDC MBUS CT X/D 0.6/1.0 - 2592650000; Locator for crimping tool - HDC MBUS CL X/D 0.6/1.0 - 2592680000

Accessories

Crimping contact

Surface finish gold

Male			Female	
Qty.	Type	Order No.	Type	Order No.
100	HDC MBUS4 M AWG18	**2565920000**	HDC MBUS4 F AWG18	**2565930000**
100	HDC MBUS4 M AWG22-20	**2565900000**	HDC MBUS4 F AWG22-20	**2565910000**
100	HDC MBUS4 M AWG26-24	**2565880000**	HDC MBUS4 F AWG26-24	**2565890000**



Cat. 6, X-Type

Technical data

Contact inserts	
Number of poles	8
Nominal current	0.5 A
Nominal voltage	50 V
Category	Cat. 6A
Pollution severity	2
Transmission rate	10 Gbps
Insulation resistance	≥ 100 MΩ
Coding	X-coded
Limit temperature	-40 °C ... 90 °C
Plugging cycles	100

Note

Crimp connection

Version	Type	Qty.	Order No.
Pin	HDC MBUS8 X6A MC	2	**2427900000**
Female	HDC MBUS8 X6A FC	2	**2427910000**

Note Accesories: Crimping tool for contacts - HDC MBUS CT X/D 0.6/1.0 - 2592650000; Locator for crimping tool - HDC MBUS CL X/D 0.6/1.0 - 2592680000

Accessories

Crimping contact

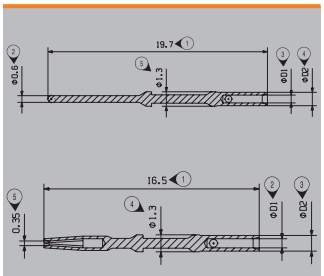
Surface finish gold

Male

Qty.	Type	Order No.
100	HDC MBUS8 M AWG20	**2565980000**
100	HDC MBUS8 M AWG22	**2565960000**
100	HDC MBUS8 M AWG26-24	**2565940000**

Female

Type	Order No.
HDC MBUS8 F AWG20	**2565990000**
HDC MBUS8 F AWG22	**2565970000**
HDC MBUS8 F AWG26-24	**2565950000**

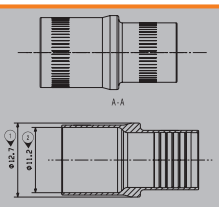


RockStar® ModuPlug Field attachable data connector

Accessories

Shielding sleeve

Outer cable diameter	Type	Order No.
3...5mm	HDC MBUS CFS 5.0	2566080000
5...7mm	HDC MBUS CFS 7.0	2566070000
6.8...7.3mm	HDC MBUS CF 7.3	2566060000
7.4...7.9mm	HDC MBUS CF 7.9	2566050000
8...8.5mm	HDC MBUS CF 8.5	2566040000
8.6...9.1mm	HDC MBUS CF 9.1	2566030000
9.2...9.7mm	HDC MBUS CF 9.7	2566020000
9.8...10.3mm	HDC MBUS CF 10.3	2566010000
10.4...11mm	HDC MBUS CF 11.0	2566000000



Note

Inserts and crimping tools for shielding sleeve

Product type	Type	Order No.
Pressing tool	HDC MBUS CT A 9.2-10.3	2592690000
Pressing tool	HDC MBUS CT B 8.0-9.1	2592710000
Pressing tool	HDC MBUS CT C 6.8-7.9	2592730000
Crimping tool insert	HDC MBUS CI A 9.2-10.3	2592700000
Crimping tool insert	HDC MBUS CI B 8.0-9.1	2592720000
Crimping tool insert	HDC MBUS CI C 6.8-7.9	2592740000

Note

Crimping tool

Product type	Type	Order No.
Locator for crimping tool	HDC MBUS CL X/D 0.6/1.0	2592680000
Crimping tool for contacts	HDC MBUS CT X/D 0.6/1.0	2592650000

Note

RockStar® ModuPlug Field attachable data connector

Cat. 5e raw cable

Technical data

Number of poles	4
Category	Cat. 5e
Nominal current	4 A
Nominal voltage	250 V
Pollution severity	2
Operating temperature	-30...90 °C
Note	

Industrial cable

Module side version	Cable length	Opposite side version	Type	Order No.
open	100 m	open	HDC XX5E01 00XXXDM-1000	**2712571000**

Note

Railway cable

Module side version	Cable length	Opposite side version	Type	Order No.
open	100 m	open	HDC XX5E02 00XXXDM-1000	**2712581000**

Note

Cat. 6_A raw cable

Technical data

Number of poles	8
Category	Cat.7 (ISO/IEC 11801)
Nominal current	0.5 A
Nominal voltage	100 V
Pollution severity	2
Insulation resistance	≥ 500 MΩ
Operating temperature	-40...80 °C
Note	

Industrial cable

Module side version	Cable length	Opposite side version	Type	Order No.
open	100 m	open	HDC XX6A02 00XXXDM-1000	**2712681000**

Note

Railway cable

Module side version	Cable length	Opposite side version	Type	Order No.
open	100 m	open	HDC XX6A01 00XXXDM-1000	**2712671000**

Note

RockStar® ModuPlug data inserts

Cat. 5e Industrial cable

Technical data

Number of poles	4
Transmission rate	100 MBit/s
Category	Cat. 5e
Coding	D-coded
Nominal current	4 A
Nominal voltage	250 V
Pollution severity	2
Insulation resistance	≥ 10^8 Ω
Limit temperature	-30 °C ... 90 °C
Plugging cycles	≥ 100
Contact surface	Au (Gold)
Note	Round plug-in connector in accordance with IEC 61076-2-101

Female / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female	HDC XX5E01 FFSXXXX-0050	**2652760050**
Female	1 m	Female	HDC XX5E01 FFSXXXX-0100	**2652760100**
Female	1.5 m	Female	HDC XX5E01 FFSXXXX-0150	**2652760150**
Female	3 m	Female	HDC XX5E01 FFSXXXX-0300	**2652760300**
Female	5 m	Female	HDC XX5E01 FFSXXXX-0500	**2652760500**
Note	Other versions and cable lenghts on request			

Female / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female, M12D	HDC XX5E01 FFSM12D-0050	**2503540050**
Female	1 m	Female, M12D	HDC XX5E01 FFSM12D-0100	**2503540100**
Female	1.5 m	Female, M12D	HDC XX5E01 FFSM12D-0150	**2503540150**
Female	3 m	Female, M12D	HDC XX5E01 FFSM12D-0300	**2503540300**
Female	5 m	Female, M12D	HDC XX5E01 FFSM12D-0500	**2503540500**
Note	Other versions and cable lenghts on request			

Female / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, M12D	HDC XX5E01 FMSM12D-0050	**2451120050**
Female	1 m	Male, straight, M12D	HDC XX5E01 FMSM12D-0100	**2451120100**
Female	1.5 m	Male, straight, M12D	HDC XX5E01 FMSM12D-0150	**2451120150**
Female	3 m	Male, straight, M12D	HDC XX5E01 FMSM12D-0300	**2451120300**
Female	5 m	Male, straight, M12D	HDC XX5E01 FMSM12D-0500	**2451120500**
Note	Other versions and cable lenghts on request			

Female / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, RJ45	HDC XX5E01 FMSRJ45-0050	**2451080050**
Female	1 m	Male, straight, RJ45	HDC XX5E01 FMSRJ45-0100	**2451080100**
Female	1.5 m	Male, straight, RJ45	HDC XX5E01 FMSRJ45-0150	**2451080150**
Female	3 m	Male, straight, RJ45	HDC XX5E01 FMSRJ45-0300	**2451080300**
Female	5 m	Male, straight, RJ45	HDC XX5E01 FMSRJ45-0500	**2451080500**
Note	Other versions and cable lenghts on request			

Female / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	open	HDC XX5E01 FOXXXXX-0050	**2003920050**
Female	1 m	open	HDC XX5E01 FOXXXXX-0100	**2003920100**
Female	1.5 m	open	HDC XX5E01 FOXXXXX-0150	**2003920150**
Female	3 m	open	HDC XX5E01 FOXXXXX-0300	**2003920300**
Female	5 m	open	HDC XX5E01 FOXXXXX-0500	**2003920500**
Note	Other versions and cable lenghts on request			

Male / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight	HDC XX5E01 MFSXXXX-0050	**2453550050**
Male	1 m	Female, straight	HDC XX5E01 MFSXXXX-0100	**2453550100**
Male	1.5 m	Female, straight	HDC XX5E01 MFSXXXX-0150	**2453550150**
Male	3 m	Female, straight	HDC XX5E01 MFSXXXX-0300	**2453550300**
Male	5 m	Female, straight	HDC XX5E01 MFSXXXX-0500	**2453550500**
Note	Other versions and cable lenghts on request			

Male / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight, M12D	HDC XX5E01 MFSM12D-0050	**2450450050**
Male	1 m	Female, straight, M12D	HDC XX5E01 MFSM12D-0100	**2450450100**
Male	1.5 m	Female, straight, M12D	HDC XX5E01 MFSM12D-0150	**2450450150**
Male	3 m	Female, straight, M12D	HDC XX5E01 MFSM12D-0300	**2450450300**
Male	5 m	Female, straight, M12D	HDC XX5E01 MFSM12D-0500	**2450450500**
Note	Other versions and cable lenghts on request			

Male / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, M12D	HDC XX5E01 MMSM12D-0050	**2451110050**
Male	1 m	Male, straight, M12D	HDC XX5E01 MMSM12D-0100	**2451110100**
Male	1.5 m	Male, straight, M12D	HDC XX5E01 MMSM12D-0150	**2451110150**
Male	3 m	Male, straight, M12D	HDC XX5E01 MMSM12D-0300	**2451110300**
Male	5 m	Male, straight, M12D	HDC XX5E01 MMSM12D-0500	**2451110500**
Note	Other versions and cable lenghts on request			

Male / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, RJ45	HDC XX5E01 MMSRJ45-0050	**2450490050**
Male	1 m	Male, straight, RJ45	HDC XX5E01 MMSRJ45-0100	**2450490100**
Male	1.5 m	Male, straight, RJ45	HDC XX5E01 MMSRJ45-0150	**2450490150**
Male	3 m	Male, straight, RJ45	HDC XX5E01 MMSRJ45-0300	**2450490300**
Male	5 m	Male, straight, RJ45	HDC XX5E01 MMSRJ45-0500	**2450490500**
Note	Other versions and cable lenghts on request			

Male / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	open	HDC XX5E01 MOXXXXX-0050	**2003890050**
Male	1 m	open	HDC XX5E01 MOXXXXX-0100	**2003890100**
Male	1.5 m	open	HDC XX5E01 MOXXXXX-0150	**2003890150**
Male	3 m	open	HDC XX5E01 MOXXXXX-0300	**2003890300**
Male	5 m	open	HDC XX5E01 MOXXXXX-0500	**2003890500**
Note	Other versions and cable lenghts on request			

RockStar® ModuPlug data inserts

Cat. 5e railway cable

Technical data

Number of poles	4
Transmission rate	100 MBit/s
Category	Cat. 5e
Coding	D-coded
Nominal current	4 A
Nominal voltage	250 V
Pollution severity	2
Insulation resistance	≥ 10^8 Ω
Limit temperature	-40 °C ... 90 °C
Plugging cycles	≥ 100
Contact surface	Au (Gold)
Note	Round plug-in connector in accordance with IEC 61076-2-101

Female / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female, straight, M12D	HDC XX5E02 FFSM12D-0050	**2503810050**
Female	1 m	Female, straight, M12D	HDC XX5E02 FFSM12D-0100	**2503810100**
Female	1.5 m	Female, straight, M12D	HDC XX5E02 FFSM12D-0150	**2503810150**
Female	3 m	Female, straight, M12D	HDC XX5E02 FFSM12D-0300	**2503810300**
Female	5 m	Female, straight, M12D	HDC XX5E02 FFSM12D-0500	**2503810500**
Note	Other versions and cable lenghts on request			

Female / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, M12D	HDC XX5E02 FMSM12D-0050	**2503760050**
Female	1 m	Male, straight, M12D	HDC XX5E02 FMSM12D-0100	**2503760100**
Female	1.5 m	Male, straight, M12D	HDC XX5E02 FMSM12D-0150	**2503760150**
Female	3 m	Male, straight, M12D	HDC XX5E02 FMSM12D-0300	**2503760300**
Female	5 m	Male, straight, M12D	HDC XX5E02 FMSM12D-0500	**2503760500**
Note	Other versions and cable lenghts on request			

Female / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, RJ45	HDC XX5E02 FMSRJ45-0050	**2503720050**
Female	1 m	Male, straight, RJ45	HDC XX5E02 FMSRJ45-0100	**2503720100**
Female	1.5 m	Male, straight, RJ45	HDC XX5E02 FMSRJ45-0150	**2503720150**
Female	3 m	Male, straight, RJ45	HDC XX5E02 FMSRJ45-0300	**2503720300**
Female	5 m	Male, straight, RJ45	HDC XX5E02 FMSRJ45-0500	**2503720500**
Note	Other versions and cable lenghts on request			

Female / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	open	HDC XX5E02 FOXXXXX-0050	**2003930050**
Female	1 m	open	HDC XX5E02 FOXXXXX-0100	**2003930100**
Female	1.5 m	open	HDC XX5E02 FOXXXXX-0150	**2003930150**
Female	3 m	open	HDC XX5E02 FOXXXXX-0300	**2003930300**
Female	5 m	open	HDC XX5E02 FOXXXXX-0500	**2003930500**
Note	Other versions and cable lenghts on request			

Male / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight	HDC XX5E02 MFSXXXX-0050	**2503790050**
Male	1 m	Female, straight	HDC XX5E02 MFSXXXX-0100	**2503790100**
Male	1.5 m	Female, straight	HDC XX5E02 MFSXXXX-0150	**2503790150**
Male	3 m	Female, straight	HDC XX5E02 MFSXXXX-0300	**2503790300**
Male	5 m	Female, straight	HDC XX5E02 MFSXXXX-0500	**2503790500**
Note	Other versions and cable lenghts on request			

Male / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight, M12D	HDC XX5E02 MFSM12D-0050	**2503700050**
Male	1 m	Female, straight, M12D	HDC XX5E02 MFSM12D-0100	**2503700100**
Male	1.5 m	Female, straight, M12D	HDC XX5E02 MFSM12D-0150	**2503700150**
Male	3 m	Female, straight, M12D	HDC XX5E02 MFSM12D-0300	**2503700300**
Male	5 m	Female, straight, M12D	HDC XX5E02 MFSM12D-0500	**2503700500**
Note	Other versions and cable lenghts on request			

Male / Male

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight	HDC XX5E02 MMSXXXX-0050	**2659960050**
Male	1 m	Male, straight	HDC XX5E02 MMSXXXX-0100	**2659960100**
Male	1.5 m	Male, straight	HDC XX5E02 MMSXXXX-0150	**2659960150**
Male	3 m	Male, straight	HDC XX5E02 MMSXXXX-0300	**2659960300**
Male	5 m	Male, straight	HDC XX5E02 MMSXXXX-0500	**2659960500**
Note	Other versions and cable lenghts on request			

Male / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, M12D	HDC XX5E02 MMSM12D-0050	**2503750050**
Male	1 m	Male, straight, M12D	HDC XX5E02 MMSM12D-0100	**2503750100**
Male	1.5 m	Male, straight, M12D	HDC XX5E02 MMSM12D-0150	**2503750150**
Male	3 m	Male, straight, M12D	HDC XX5E02 MMSM12D-0300	**2503750300**
Male	5 m	Male, straight, M12D	HDC XX5E02 MMSM12D-0500	**2503750500**
Note	Other versions and cable lenghts on request			

Male / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, RJ45	HDC XX5E02 MMSRJ45-0050	**2503710050**
Male	1 m	Male, straight, RJ45	HDC XX5E02 MMSRJ45-0100	**2503710100**
Male	15 m	Male, straight, RJ45	HDC XX5E02 MMSRJ45-0150	**2503710150**
Male	3 m	Male, straight, RJ45	HDC XX5E02 MMSRJ45-0300	**2503710300**
Male	5 m	Male, straight, RJ45	HDC XX5E02 MMSRJ45-0500	**2503710500**
Note	Other versions and cable lenghts on request			

Male / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	open	HDC XX5E02 M0XXXXX-0050	**2003900050**
Male	1 m	open	HDC XX5E02 M0XXXXX-0100	**2003900100**
Male	1.5 m	open	HDC XX5E02 M0XXXXX-0150	**2003900150**
Male	3 m	open	HDC XX5E02 M0XXXXX-0300	**2003900300**
Male	5 m	open	HDC XX5E02 M0XXXXX-0500	**2003900500**
Note	Other versions and cable lenghts on request			

RockStar® ModuPlug data inserts

Cat. 6_A Industrial cable

Technical data

Number of poles	8
Transmission rate	10 Gbit/s
Category	Cat. 6A
Coding	X-coded
Nominal current	0.5 A
Nominal voltage	50 V
Pollution severity	2
Insulation resistance	≥ 10⁸ Ω
Limit temperature	-30 °C ... 90 °C
Plugging cycles	≥ 100
Contact surface	Au (Gold)
Note	Round plug-in connector in accordance with IEC 61076-2-101

Female / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female, straight	HDC XX6A02 FFSXXXX-0050	**2634700050**
Female	1 m	Female, straight	HDC XX6A02 FFSXXXX-0100	**2634700100**
Female	1.5 m	Female, straight	HDC XX6A02 FFSXXXX-0150	**2634700150**
Female	3 m	Female, straight	HDC XX6A02 FFSXXXX-0300	**2634700300**
Female	5 m	Female, straight	HDC XX6A02 FFSXXXX-0500	**2634700500**
Note	Other versions and cable lenghts on request			

Female / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female, straight, M12X	HDC XX6A02 FFSM12X-0050	**2503820050**
Female	1 m	Female, straight, M12X	HDC XX6A02 FFSM12X-0100	**2503820100**
Female	1.5 m	Female, straight, M12X	HDC XX6A02 FFSM12X-0150	**2503820150**
Female	3 m	Female, straight, M12X	HDC XX6A02 FFSM12X-0300	**2503820300**
Female	5 m	Female, straight, M12X	HDC XX6A02 FFSM12X-0500	**2503820500**
Note	Other versions and cable lenghts on request			

Female / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, M12X	HDC XX6A02 FMSM12X-0050	**2503780050**
Female	1 m	Male, straight, M12X	HDC XX6A02 FMSM12X-0100	**2503780100**
Female	1.5 m	Male, straight, M12X	HDC XX6A02 FMSM12X-0150	**2503780150**
Female	3 m	Male, straight, M12X	HDC XX6A02 FMSM12X-0300	**2503780300**
Female	5 m	Male, straight, M12X	HDC XX6A02 FMSM12X-0500	**2503780500**
Note	Other versions and cable lenghts on request			

Female / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, RJ45	HDC XX6A02 FMSRJ45-0050	**2503740050**
Female	1 m	Male, straight, RJ45	HDC XX6A02 FMSRJ45-0100	**2503740100**
Female	1.5 m	Male, straight, RJ45	HDC XX6A02 FMSRJ45-0150	**2503740150**
Female	3 m	Male, straight, RJ45	HDC XX6A02 FMSRJ45-0300	**2503740300**
Female	5 m	Male, straight, RJ45	HDC XX6A02 FMSRJ45-0500	**2503740500**
Note	Other versions and cable lenghts on request			

Female / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	open	HDC XX6A02 FOXXXXX-0050	**2003860050**
Female	1 m	open	HDC XX6A02 FOXXXXX-0100	**2003860100**
Female	1.5 m	open	HDC XX6A02 FOXXXXX-0150	**2003860150**
Female	3 m	open	HDC XX6A02 FOXXXXX-0300	**2003860300**
Female	5 m	open	HDC XX6A02 FOXXXXX-0500	**2003860500**
Note	Other versions and cable lenghts on request			

Male / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight	HDC XX6A02 MFSXXXX-0050	**2503800050**
Male	1 m	Female, straight	HDC XX6A02 MFSXXXX-0100	**2503800100**
Male	1.5 m	Female, straight	HDC XX6A02 MFSXXXX-0150	**2503800150**
Male	3 m	Female, straight	HDC XX6A02 MFSXXXX-0300	**2503800300**
Male	5 m	Female, straight	HDC XX6A02 MFSXXXX-0500	**2503800500**
Note	Other versions and cable lenghts on request			

Male / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight, M12X	HDC XX6A02 MFSM12X-0050	**2503690050**
Male	1 m	Female, straight, M12X	HDC XX6A02 MFSM12X-0100	**2503690100**
Male	1.5 m	Female, straight, M12X	HDC XX6A02 MFSM12X-0150	**2503690150**
Male	3 m	Female, straight, M12X	HDC XX6A02 MFSM12X-0300	**2503690300**
Male	5 m	Female, straight, M12X	HDC XX6A02 MFSM12X-0500	**2503690500**
Note	Other versions and cable lenghts on request			

Male / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, M12X	HDC XX6A02 MMSM12X-0050	**2503770050**
Male	1 m	Male, straight, M12X	HDC XX6A02 MMSM12X-0100	**2503770100**
Male	1.5 m	Male, straight, M12X	HDC XX6A02 MMSM12X-0150	**2503770150**
Male	3 m	Male, straight, M12X	HDC XX6A02 MMSM12X-0300	**2503770300**
Male	5 m	Male, straight, M12X	HDC XX6A02 MMSM12X-0500	**2503770500**
Note	Other versions and cable lenghts on request			

Male / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, RJ45	HDC XX6A02 MMSRJ45-0050	**2503730050**
Male	1 m	Male, straight, RJ45	HDC XX6A02 MMSRJ45-0100	**2503730100**
Male	1.5 m	Male, straight, RJ45	HDC XX6A02 MMSRJ45-0150	**2503730150**
Male	3 m	Male, straight, RJ45	HDC XX6A02 MMSRJ45-0300	**2503730300**
Male	5 m	Male, straight, RJ45	HDC XX6A02 MMSRJ45-0500	**2503730500**
Note	Other versions and cable lenghts on request			

Male / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	open	HDC XX6A02 MOXXXXX-0050	**2003830050**
Male	1 m	open	HDC XX6A02 MOXXXXX-0100	**2003830100**
Male	1.5 m	open	HDC XX6A02 MOXXXXX-0150	**2003830150**
Male	3 m	open	HDC XX6A02 MOXXXXX-0300	**2003830300**
Male	5 m	open	HDC XX6A02 MOXXXXX-0500	**2003830500**
Note	Other versions and cable lenghts on request			

RockStar® ModuPlug data inserts

Cat. 6_A railway cable

Technical data

Number of poles	8
Transmission rate	10 Gbps, 10 Gbit/s
Category	Cat. 6A
Coding	X-coded
Nominal current	0.5 A
Nominal voltage	50 V
Pollution severity	2
Insulation resistance	≥ 10^8 Ω
Limit temperature	-40 °C ... 90 °C
Plugging cycles	100
Contact surface	Au (Gold)
Note	Round plug-in connector in accordance with IEC 61076-2-109

Female / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Female, straight, M12X	HDC XX6A01 FFSM12X-0050	**2503550050**
Female	1 m	Female, straight, M12X	HDC XX6A01 FFSM12X-0100	**2503550100**
Female	1.5 m	Female, straight, M12X	HDC XX6A01 FFSM12X-0150	**2503550150**
Female	3 m	Female, straight, M12X	HDC XX6A01 FFSM12X-0300	**2503550300**
Female	5 m	Female, straight, M12X	HDC XX6A01 FFSM12X-0500	**2503550500**
Note	Other versions and cable lenghts on request			

Female / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, M12X	HDC XX6A01 FMSM12X-0050	**2451140050**
Female	1 m	Male, straight, M12X	HDC XX6A01 FMSM12X-0100	**2451140100**
Female	1.5 m	Male, straight, M12X	HDC XX6A01 FMSM12X-0150	**2451140150**
Female	3 m	Male, straight, M12X	HDC XX6A01 FMSM12X-0300	**2451140300**
Female	5 m	Male, straight, M12X	HDC XX6A01 FMSM12X-0500	**2451140500**
Note	Other versions and cable lenghts on request			

Female / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	Male, straight, RJ45	HDC XX6A01 FMSRJ45-0050	**2451100050**
Female	1 m	Male, straight, RJ45	HDC XX6A01 FMSRJ45-0100	**2451100100**
Female	1.5 m	Male, straight, RJ45	HDC XX6A01 FMSRJ45-0150	**2451100150**
Female	3 m	Male, straight, RJ45	HDC XX6A01 FMSRJ45-0300	**2451100300**
Female	5 m	Male, straight, RJ45	HDC XX6A01 FMSRJ45-0500	**2451100500**
Note	Other versions and cable lenghts on request			

Female / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Female	0.5 m	open	HDC XX6A01 FOXXXXX-0050	**2003850050**
Female	1 m	open	HDC XX6A01 FOXXXXX-0100	**2003850100**
Female	1.5 m	open	HDC XX6A01 FOXXXXX-0150	**2003850150**
Female	3 m	open	HDC XX6A01 FOXXXXX-0300	**2003850300**
Female	5 m	open	HDC XX6A01 FOXXXXX-0500	**2003850500**
Note	Other versions and cable lenghts on request			

Male / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight	HDC XX6A01 MFSXXXX-0050	**2453540050**
Male	1 m	Female, straight	HDC XX6A01 MFSXXXX-0100	**2453540100**
Male	1.5 m	Female, straight	HDC XX6A01 MFSXXXX-0150	**2453540150**
Male	3 m	Female, straight	HDC XX6A01 MFSXXXX-0300	**2453540300**
Male	5 m	Female, straight	HDC XX6A01 MFSXXXX-0500	**2453540500**
Note	Other versions and cable lenghts on request			

Male / Female M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Female, straight, M12X	HDC XX6A01 MFSM12X-0050	**2450440050**
Male	1 m	Female, straight, M12X	HDC XX6A01 MFSM12X-0100	**2450440100**
Male	1.5 m	Female, straight, M12X	HDC XX6A01 MFSM12X-0150	**2450440150**
Male	3 m	Female, straight, M12X	HDC XX6A01 MFSM12X-0300	**2450440300**
Male	5 m	Female, straight, M12X	HDC XX6A01 MFSM12X-0500	**2450440500**
Note	Other versions and cable lenghts on request			

Male / Male M12

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, M12X	HDC XX6A01 MMSM12X-0050	**2451130050**
Male	1 m	Male, straight, M12X	HDC XX6A01 MMSM12X-0100	**2451130100**
Male	1.5 m	Male, straight, M12X	HDC XX6A01 MMSM12X-0150	**2451130150**
Male	3 m	Male, straight, M12X	HDC XX6A01 MMSM12X-0300	**2451130300**
Male	5 m	Male, straight, M12X	HDC XX6A01 MMSM12X-0500	**2451130500**
Note	Other versions and cable lenghts on request			

Male / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male, straight, RJ45	HDC XX6A01 MMSRJ45-0050	**2451090050**
Male	1 m	Male, straight, RJ45	HDC XX6A01 MMSRJ45-0100	**2451090100**
Male	1.5 m	Male, straight, RJ45	HDC XX6A01 MMSRJ45-0150	**2451090150**
Male	3 m	Male, straight, RJ45	HDC XX6A01 MMSRJ45-0300	**2451090300**
Male	5 m	Male, straight, RJ45	HDC XX6A01 MMSRJ45-0500	**2451090500**
Note	Other versions and cable lenghts on request			

Male / open end

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	open	HDC XX6A01 MOXXXXX-0050	**2003820050**
Male	1 m	open	HDC XX6A01 MOXXXXX-0100	**2003820100**
Male	1.5 m	open	HDC XX6A01 MOXXXXX-0150	**2003820150**
Male	3 m	open	HDC XX6A01 MOXXXXX-0300	**2003820300**
Male	5 m	open	HDC XX6A01 MOXXXXX-0500	**2003820500**
Note	Other versions and cable lenghts on request			

Male / Male

Module side version	Cable length	Opposite side version	Type	Order No.
Male	0.5 m	Male	HDC XX6A01 MMSXXXX-0050	**2659970050**
Male	1 m	Male	HDC XX6A01 MMSXXXX-0100	**2659970100**
Male	1.5 m	Male	HDC XX6A01 MMSXXXX-0150	**2659970150**
Male	3 m	Male	HDC XX6A01 MMSXXXX-0300	**2659970300**
Male	5 m	Male	HDC XX6A01 MMSXXXX-0500	**2659970500**
Note	Other versions and cable lenghts on request			

RockStar® ModuPlug data inserts

Cat. 6_A Industrial cable, suitable for drag chains

Technical data

Number of poles	8
Transmission rate	10 Gbit/s
Category	Cat. 6A
Coding	X-coded
Nominal current	0.5 A
Nominal voltage	50 V
Pollution severity	2
Insulation resistance	≥ 1000 MΩ
Limit temperature	-30 °C ... 90 °C
Plugging cycles	≥ 100
Contact surface	Au (Gold)
Note	

Female / Male RJ45

Module side version	Cable length	Opposite side version	Type	Order No.
Female	3 m	Male	HDC XX6A03 FMSRJ45-0300	**2546830300**
Female	6 m	Male	HDC XX6A03 FMSRJ45-0600	**2546830600**

Note

Male / Female

Module side version	Cable length	Opposite side version	Type	Order No.
Male	30 m	Female	HDC XX6A03 MFSXXXX-3000	**2548113000**

Note

Male / Male

Module side version	Cable length	Opposite side version	Type	Order No.
Male	30 m	Male	HDC XX6A03 MMSXXXX-3000	**2546843000**
Male	50 m	Male	HDC XX6A03 MMSXXXX-5000	**2546845000**

Note

MRJ45 modules

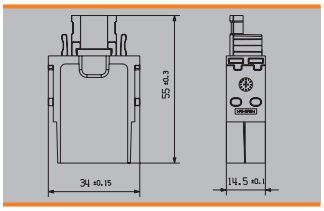
Technical data

Number of poles	8
Rated current (DIN EN 61984)	1 A
Rated voltage (DIN EN 61984)	50 V
Pollution severity	3
Insulation resistance	10^{12} Ω
Limit temperature	-40 °C ... 70 °C
Plugging cycles	750 (RJ45)
Surge voltage category	III
Note	

Crimp connection

Version	Type	Order No.
Plug insert, RJ45 crimp	HDC MRJ45 8PLUG MC	**2592250000**

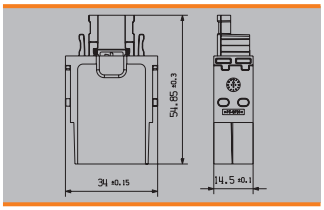
Note Suitable pressing tool: 9202800000 TT 8 RS MP 8



IDC terminal

Version	Type	Order No.
Plug insert, RJ45 tool-free, TIA-568A	HDC MRJ45 A MI	**2592220000**
Plug insert, RJ45 tool-free, TIA-568A, EIA/TIA T568 B, PROFINET	HDC MRJ45 ABP MI	**2592210000**
Plug insert, RJ45 tool-free, EIA/TIA T568 B	HDC MRJ45 B MI	**2592230000**
Plug insert, RJ45 tool-free, PROFINET	HDC MRJ45 P MI	**2592240000**

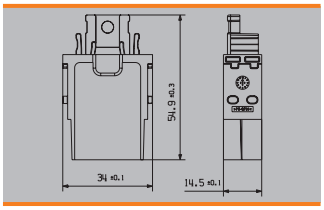
Note



RJ45

Version	Type	Order No.
Adapter module, RJ45 for patch cable	HDC MRJ45 PCADP MC	**2592260000**

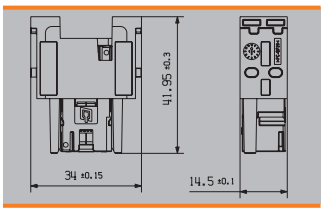
Note



RJ45

Version	Type	Order No.
RJ45 Gender Changer	HDC MRJ45 GC F	**2592030000**

Note



RockStar® ModuPlug RJ45 modules

MRJ45 patch cable

Technical data

Number of wires	8
Speed	
Category	Cat. 6A
Operating voltage	48 V
Sheath diameter, max.	5.9 mm
Cross-section [Text]	4*2*AWG 27/7 - 4*2*0.1 mm²
Shielding	S/FTP
Material sheath	LSZH
Operating temperature	-20...60 °C
Contact surface	Au ≥ 0.8 µm
Note	

Cable length	Type	Order No.
0.2 m	HDC RJ4501 MMSCAT6-0020	**2661950020**
0.3 m	HDC RJ4501 MMSCAT6-0030	**2661950030**
0.4 m	HDC RJ4501 MMSCAT6-0040	**2661950040**
0.5 m	HDC RJ4501 MMSCAT6-0050	**2661950050**
0.6 m	HDC RJ4501 MMSCAT6-0060	**2661950060**
0.7 m	HDC RJ4501 MMSCAT6-0070	**2661950070**
0.8 m	HDC RJ4501 MMSCAT6-0080	**2661950080**
0.9 m	HDC RJ4501 MMSCAT6-0090	**2661950090**
1 m	HDC RJ4501 MMSCAT6-0100	**2661950100**
1.5 m	HDC RJ4501 MMSCAT6-0150	**2661950150**
2 m	HDC RJ4501 MMSCAT6-0200	**2661950200**
2.5 m	HDC RJ4501 MMSCAT6-0250	**2661950250**
3 m	HDC RJ4501 MMSCAT6-0300	**2661950300**
4 m	HDC RJ4501 MMSCAT6-0400	**2661950400**
5 m	HDC RJ4501 MMSCAT6-0500	**2661950500**
6 m	HDC RJ4501 MMSCAT6-0600	**2661950600**
7 m	HDC RJ4501 MMSCAT6-0700	**2661950700**
7.5 m	HDC RJ4501 MMSCAT6-0750	**2661950750**
8 m	HDC RJ4501 MMSCAT6-0800	**2661950800**
9 m	HDC RJ4501 MMSCAT6-0900	**2661950900**
10 m	HDC RJ4501 MMSCAT6-1000	**2661951000**
15 m	HDC RJ4501 MMSCAT6-1500	**2661951500**
20 m	HDC RJ4501 MMSCAT6-2000	**2661952000**
Note		

Adapter module	
HDC MRJ45 PCADP MC	**2592260000**
Note	

ModuPlug®
Pneumatic Modules

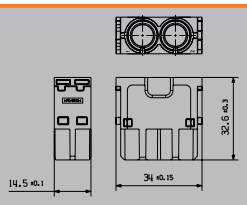
Technical data

Contact inserts	
Number of poles	2
Type of connection	Hose connection (pneumatic)
Module operating pressure	8 bar
Inner hose diameter, min.	6 mm
Inner hose diameter, max.	6 mm
Limit temperature	-40 °C ... 80 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

Hose connection (pneumatic)

Deployment	Type	Order No.
Male, Female	HDC MPN 2	2637320000

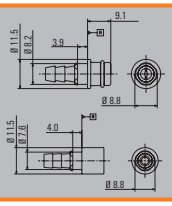


Note

Pneumatic contacts

Female	
HDC MPN 6.0 F	2637390000
Male	
HDC MPN 6.0 M	2637350000
Female with shut-off valve	
HDC MPN 6.0 SOF	2637400000

Note



ModuPlug®
Pneumatic contacts

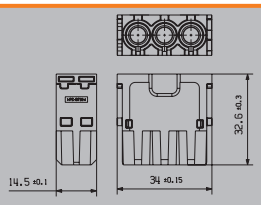
Technical data

Contact inserts	
Number of poles	3
Type of connection	Hose connection (pneumatic)
Module operating pressure	8 bar
Inner hose diameter, min.	1.6 mm
Inner hose diameter, max.	4 mm
Limit temperature	-40 °C ... 80 °C
UL 94 flammability rating	V-0
Plugging cycles	≥ 500
Material	Polycarbonate, glass fibre reinforced
Required plug-in slots	1

Note

Hose connection (pneumatic)

Deployment	Type	Order No.
Male, Female	HDC MPN 3	2637340000

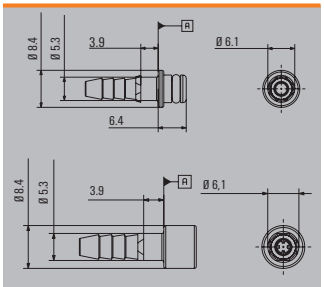


Note

Pneumatic contacts

Female	
HDC MPN 4.0 F	2637420000
HDC MPN 3.0 F	2637450000
HDC MPN 1.6 F	2637480000
Male	
HDC MPN 4.0 M	2637410000
HDC MPN 3.0 M	2637440000
HDC MPN 1.6 M	2637470000
Female with shut-off valve	
HDC MPN 4.0 SOF	2637430000
HDC MPN 3.0 SOF	2637460000
HDC MPN 1.6 SOF	2637490000

Note



RockStar® Housings IP65 / NEMA Type 12, 4X

RockStar® Housings IP65 / NEMA Type 12, 4X

Introduction D.2

RockStar® Housings IP65 / NEMA Type 12, 4X D.4

Size 1 - 12

RockStar® Housings IP65 / NEMA Type 12, 4X

Where something extra comes as standard. The high quality workmanship of RockStar® IP65 housings begins with the material from which all interlock mechanisms are made: stainless steel. It guarantees a long lifespan with high resistance to corrosion and impact. For the die-cast aluminium variants, a high-quality, multi-stage surface sealing provides years of safety and reliability – even under the most extreme conditions. With just one housing series, Weidmüller delivers the proper protective solution for your heavy-duty connector – so your choice is simple.

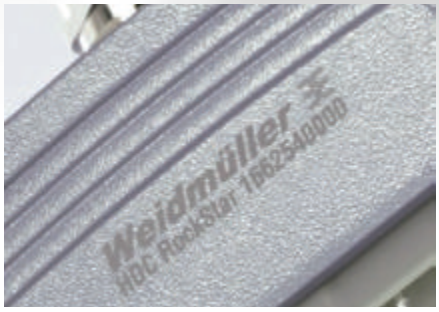
Other standard extras:
- A patented spring system provides a secure interlock and easier handling.
- Integrated threads: your choice of cable glands
- Integrated insulation strips: for worry-free transmission of higher voltages

RockStar® IP65 housings are available in twelve sizes and can be combined with all fixed-pole and modular inserts.

Sturdy
Stainless steel interlock systems and multi-stage surface sealing results in high durability

Reliable
Guaranteed protection against dust, water jets and corrosion according to IEC 60529, as well as ice and rain according to UL.

Practical
Laser labelling for permanent identification and faster allocation



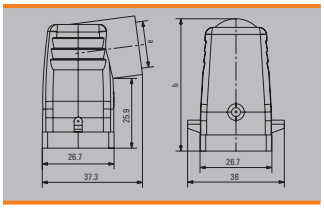
Plastic housing

Size 1

Hood

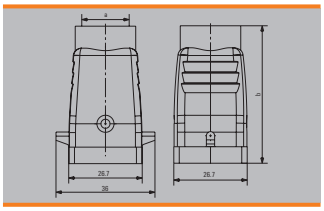
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	50	HDC 07A TWLU 1M20G	**1788510000**
beige	w. thread	50	HDC 07A TWLU 1PG11G	**1652400000**



Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	50	HDC 07A TOLU 1M20G	**1788520000**
beige	w. thread	50	HDC 07A TOLU 1PG11G	**1652380000**
black	w. thread	50	HDC 07A TOLU 1M20G BLK	**2089000000**



D

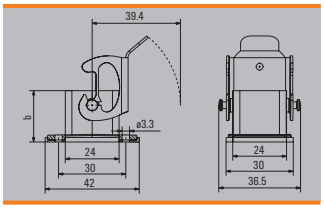
Plastic housing

Size 1

Base

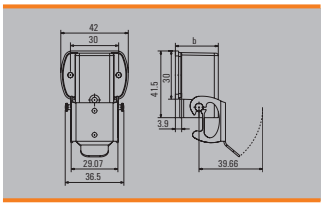
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	23	HDC 07A ALU	1652410000
black	Side-locking clamp	23	HDC 07A ALU BLK	2088980000



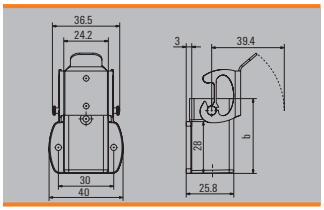
Bulkhead housing, angled

Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	27	HDC 07A AWLU	1652420000



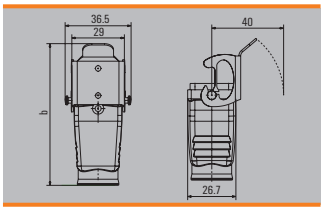
Base housing

Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	42	HDC 07A SLU 1M20G	1788530000
beige	Side-locking clamp	42	HDC 07A SLU 1PG11S	1652440000



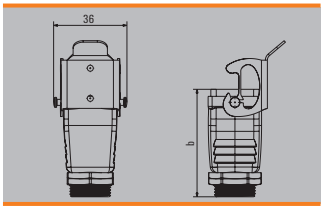
Coupling housing

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	54	HDC 07A KOLU 1M20G	1788540000
beige	w. thread	54	HDC 07A KOLU 1PG11G	1652460000



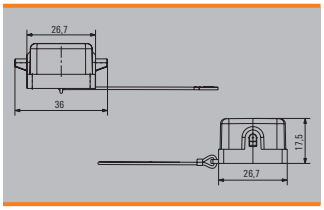
Screw mounting housing

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	54	HDC 07A ELU 1PG13G	1900990000



Cover

Version	Type	Order No.
with female	HDC 07A DMDL 2BO	1665770000
with male	HDC 07A DODL 2BO	1665760000



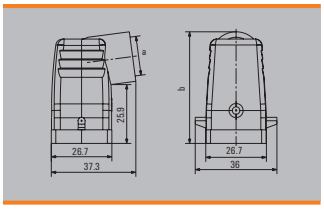
Metal housing

Size 1

Hood

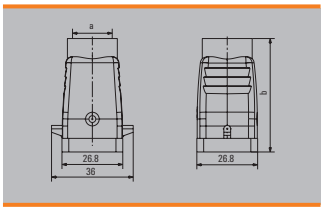
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	50	HDC 04A TWLU 1M20G	**1788810000**
grey	w. thread	50	HDC 04A TWLU 1PG11G	**1652480000**



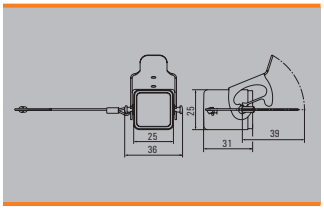
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	50	HDC 04A TOLU 1M16G	**1206090000**
grey	w. thread	50	HDC 04A TOLU 1M20G	**1788820000**
grey	w. thread	50	HDC 04A TOLU 1PG11G	**1652470000**



Cover

Version	Type	Order No.
with male	HDC 04A DODL 1LB	**1963690000**



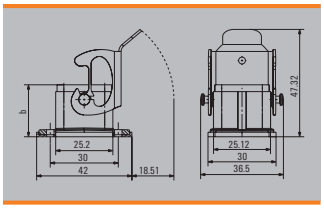
Metal housing

Size 1

Base

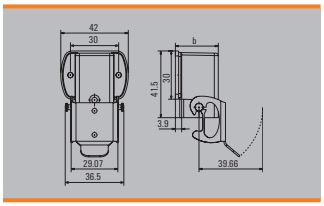
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	23	HDC 04A ALU	1497600000



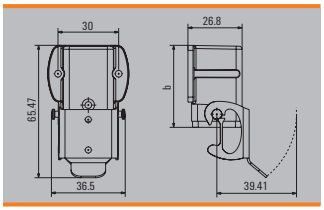
Bulkhead housing, angled

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	26	HDC 04A AWLU	1497700000



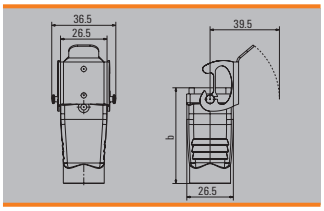
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	42	HDC 04A SLU 1M20G	1788830000
grey	Side-locking clamp	42	HDC 04A SLU 1PG11G	1652490000



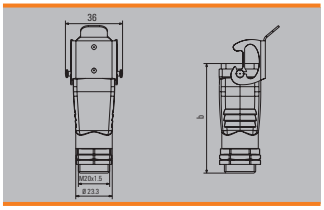
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	54	HDC 04A KOLU 1M20G	1788840000
grey	w. thread	54	HDC 04A KOLU 1PG11G	1652500000



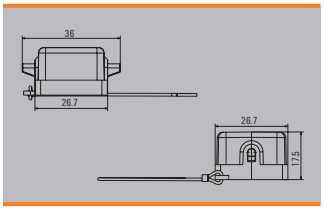
Screw mounting housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	54	HDC 04A ELU 1M20G	1900320000
grey	w. thread	54	HDC 04A ELU 1PG13S	1900330000



Cover

Version	Type	Order No.
with female	HDC 04A DMDL 2BO	1665750000
with male	HDC 04A DODL 2BO	1665740000



RockStar® IP65 Housings / NEMA Type 12, 4X

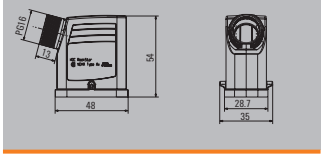
Plastic housing

Size HQ

Hood

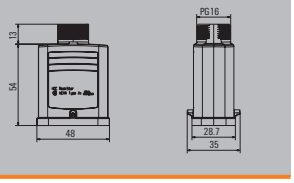
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	54	HDC HQP TSLU 1PG16	1003090000



Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
beige	w. thread	67	HDC HQP TOLU 1PG16	1003070000

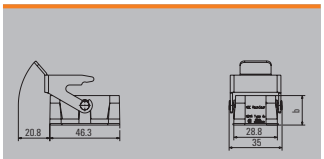


Base

Bulkhead housing

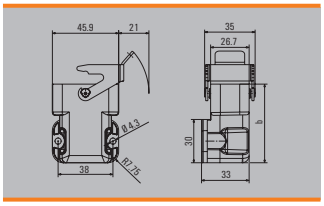
Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	20	HDC HQP ALU CS	1354950000
beige	Side-locking clamp	20	HDC HQP ALU	1003040000

Note CS: with lockable lever



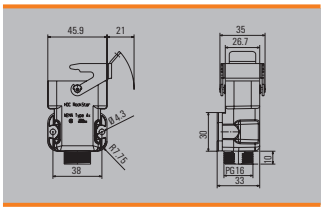
Bulkhead housing, angled

Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	55	HDC HQP AWLU	1003060000



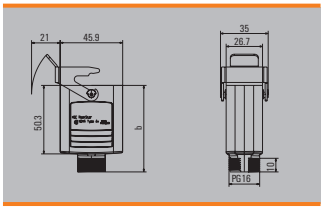
Base housing

Colour	Version	b (mm)	Type	Order No.
beige	Side-locking clamp	55	HDC HQP SLU 1PG16	1003110000



Coupling housing

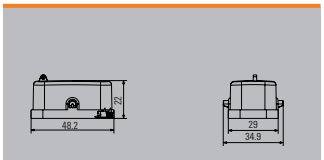
Colour	Version	b (mm)	Type	Order No.
beige	w. thread	64	HDC HQP KOLU 1PG16	1003120000



Cover

Version	Type	Order No.
with female	HDC HQP DMD 2BO	1003130000
with male	HDC HQP DOD 2BO	1003140000
with female	HDC HQP DMD 2BO CS	1251660000
with male	HDC HQP DOD 2BO CS	1251670000

Note CS: for plastic and metal housings, for lockable lever, not for PUSH IN



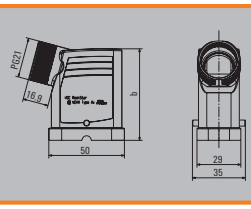
Die cast zinc housing (EMC)

Size HQ

Hood

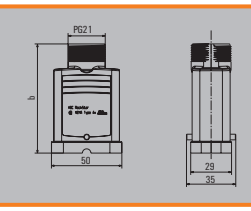
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
Silver grey	w. thread	61	HDC HQM TSLU 1PG21	1003100000



Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
Silver grey	w. thread	78	HDC HQM TOLU 1PG21	1003080000

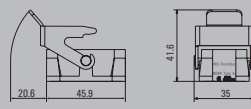


Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
Silver grey	Side-locking clamp	21	HDC HQM ALU	1003050000
Silver grey	Side-locking clamp	21	HDC HQM ALU CS	1251680000

Note	CS: with lockable lever

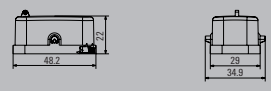


Cover

Material: Plastic

Version	Type	Order No.
with female	HDC HQP DMD 2BO	1003130000
with male	HDC HQP DOD 2BO	1003140000
with female	HDC HQP DMD 2BO CS	1251660000
with male	HDC HQP DOD 2BO CS	1251670000
	HDC RAILMATE HB 24 SET N	2883380000

Note	CS: for plastic and metal housings, for lockable lever, not for PUSH IN



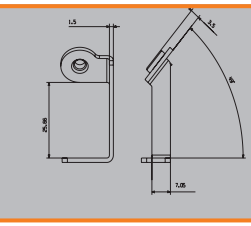
Supplementary set - size HQ

Replacement locking bar

Material:

Version	Type	Order No.
	HDC HQ DC-LOCKLEV 3	3103570000
Applicable for the following products		
	HDC HQP ALU CS	1354950000
	HDC HQM ALU CS	1251680000
	BG ARGH HQP ALU PT6 CS	1532210000

Note	HDC - supplementary set HQ bracket (HDC HQ DC-LOCKLEV 3) for lockable add-on housings is applicable to the three products in this table. It extends the locking level to level 3 (VDE Spec 90037), specifically for DC microgrids.



RockStar® IP65 Housings / NEMA Type 12, 4X

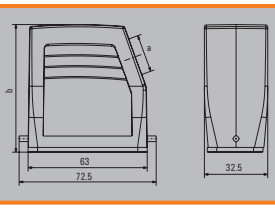
End locking, lower side

Size 2

Hood

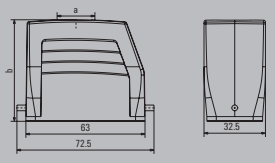
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	54	HDC 10A TSLU 1M20G	**1967660000**
grey	w. thread	68	HDC 15A TSLU 1M20G	**1788860000**
grey	w. thread	68	HDC 15A TSLU 1M25G	**1788850000**
grey	w. thread	54	HDC 10A TSLU 1PG16G	**1663810000**
grey	w. thread	68	HDC 15A TSLU 1PG16G	**1663850000**
grey	w. thread	68	HDC 15A TSLU 1PG21G	**1663870000**



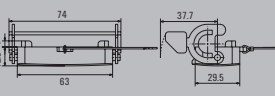
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	54	HDC 10A TOLU 1M20G	**1788620000**
grey	w. thread	54	HDC 10A TOLU 1M25G	**1788610000**
grey	w. thread	54	HDC 10A TOLU 2PG11G	**1746170000**
grey	w. thread	54	HDC 10A TOLU 1PG16G	**1663930000**
grey	w. thread	68	HDC 15A TOLU 1PG21G	**1663990000**



Cover

Version	Type	Order No.
For hoods	HDC 10A DODL 1LB	**1665890000**



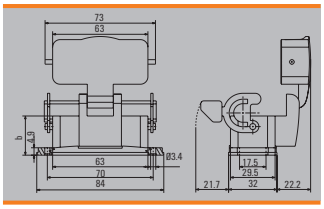
End locking, lower side

Size 2

Base

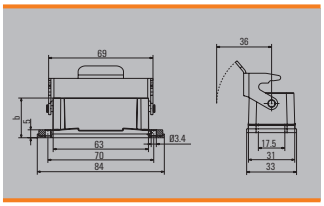
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	26	HDC 10A ALU	1664040000
grey	End-locking clamp	26	HDC 10A ADLU	1664060000



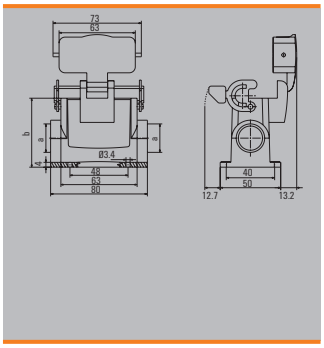
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	26	HDC 10A ALU SL	1021450000



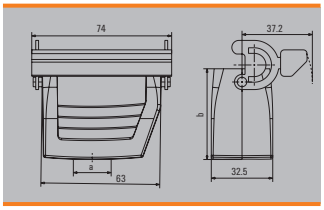
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	57	HDC 10A SLU 1M20G	1901100000
grey	End-locking clamp	70	HDC 10A SDLU 1M20G	1901010000
grey	End-locking clamp	57	HDC 10A SLU 2M20G	1788640000
grey	End-locking clamp	70	HDC 10A SDLU 2M20G	1788660000
grey	End-locking clamp	57	HDC 10A SLU 1M25G	1901160000
grey	End-locking clamp	70	HDC 10A SDLU 1M25G	1901040000
grey	End-locking clamp	57	HDC 10A SLU 2M25G	1788630000
grey	End-locking clamp	70	HDC 10A SDLU 2M25G	1788650000
grey	End-locking clamp	57	HDC 10A SLU 1PG16G	1664170000
grey	End-locking clamp	70	HDC 10A SDLU 1PG16G	1664410000
grey	End-locking clamp	57	HDC 10A SLU 2PG16G	1664190000
grey	End-locking clamp	70	HDC 10A SDLU 2PG16G	1664420000
grey	End-locking clamp	57	HDC 10A SLU 1PG21G	1664210000



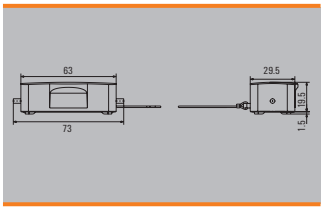
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	48	HDC 10A KLU 1M25G	1788670000
grey	w. thread	48	HDC 10A KLU 2PG09G	1783250000
grey	w. thread	48	HDC 10A KLU 1PG16G	1664560000



Cover

Version	Type	Order No.
For bases	HDC 10A DMDL 2BO	1665880000



RockStar® IP65 Housings / NEMA Type 12, 4X

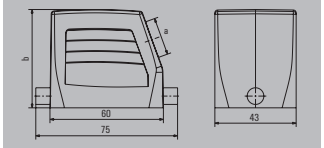
End locking, lower side

Size 3

Hood

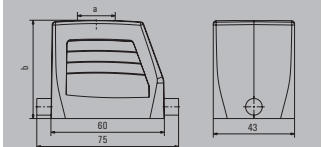
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 06B TSLU 1M20G	**1788100000**
grey	w. thread	52	HDC 06B TSLU 1M25G	**1788090000**
grey	w. thread	72	HDC 16D TSLU 1M25G	**1787480000**
grey	w. thread	72	HDC 16D TSLU 1M32G	**1787470000**
grey	w. thread	52	HDC 06B TSLU 1PG13G	**1670530000**
grey	w. thread	52	HDC 06B TSLU 1PG16G	**1652520000**
grey	w. thread	72	HDC 16D TSLU 1PG21G	**1652560000**
grey	w. thread	72	HDC 16D TSLU 1PG29G	**1652580000**



Plug housing, cable entry at top

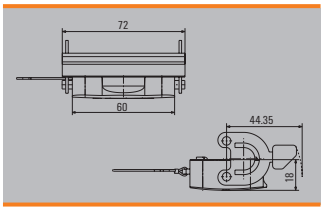
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 06B TOLU 1M20G	**1788120000**
grey	w. thread	52	HDC 06B TOLU 1M25G	**1788110000**
grey	w. thread	72	HDC 16D TOLU 1M25G	**1787500000**
grey	w. thread	72	HDC 16D TOLU 1M32G	**1787490000**
grey	w. thread	52	HDC 06B TOLU 1PG13G	**1670500000**
grey	w. thread	52	HDC 06B TOLU 1PG16G	**1652640000**
grey	w. thread	72	HDC 16D TOLU 1PG21G	**1652680000**
grey	w. thread	72	HDC 16D TOLU 1PG29G	**1652700000**



Cover

Version	Type	Order No.
For hoods	HDC 06B DMDL 1LB	**1665210000**
For hoods	HDC 06B DMDL 1LB N	**2559730000**

Note	Note: N = Plastic locking lever with stainless steel inlay



End locking, lower side

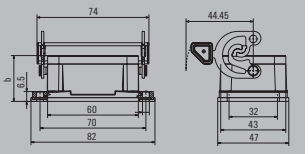
Size 3

Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	29	HDC 06B ALU	1202100000
grey	End-locking clamp	29	HDC 06B ALU N	2488560000
grey	End-locking clamp	29	HDC 06B ADLU	1202500000
grey	End-locking clamp	28	HDC 06B ALU O-RING	1019870000
grey	End-locking clamp	29	HDC 06B ADLU N	2559320000

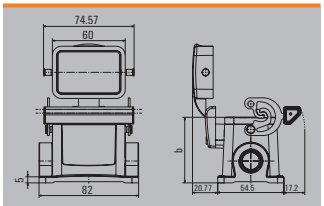
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

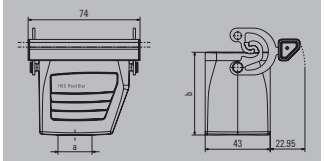
Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	54	HDC 06B SLU 1M20G	1900460000
grey	End-locking clamp	54	HDC 06B SLU 1M20G N	2637080000
grey	End-locking clamp	54	HDC 06B SDLU 1M20G N	2560720000
grey	End-locking clamp	54	HDC 06B SDLU 1M20G	1900360000
grey	End-locking clamp	54	HDC 06B SLU 2M20G	1788140000
grey	End-locking clamp	54	HDC 06B SDLU 2M20G	1788170000
grey	End-locking clamp	54	HDC 06B SLU 2M25G	1788130000
grey	End-locking clamp	54	HDC 06B SLU 2M25G N	2560860000
grey	End-locking clamp	54	HDC 06B SLU 2M20G N	2560850000
grey	End-locking clamp	54	HDC 06B SDLU 2M25G	1788160000
grey	End-locking clamp	54	HDC 06B SDLU 2M20G N	2560820000
grey	End-locking clamp	54	HDC 06B SDLU 2M25G N	2560830000
grey	End-locking clamp	54	HDC 06B SLU 1M25G	1900480000
grey	End-locking clamp	54	HDC 06B SLU 1M25G N	2560710000
grey	End-locking clamp	54	HDC 06B SDLU 1M25G	1900380000
grey	End-locking clamp	74	HDC 16D SLU 1M25G	1900880000
grey	End-locking clamp	74	HDC 16D SDLU 1M25G	1900820000
grey	End-locking clamp	74	HDC 16D SLU 2M25G	1787520000
grey	End-locking clamp	74	HDC 16D SDLU 2M25G	1787540000
grey	End-locking clamp	74	HDC 16D SLU 1M32G	1900900000
grey	End-locking clamp	74	HDC 16D SLU 2M32G	1787510000
grey	End-locking clamp	54	HDC 06B SLU 1PG16G	1652750000
grey	End-locking clamp	54	HDC 06B SLU 1PG16G N	2560840000
grey	End-locking clamp	54	HDC 06B SDLU 1PG16G	1652980000
grey	End-locking clamp	54	HDC 06B SDLU 1PG16G N	2560810000
grey	End-locking clamp	54	HDC 06B SLU 2PG16G	1652760000
grey	End-locking clamp	74	HDC 16D SLU 2PG21G	1652840000
grey	End-locking clamp	54	HDC 06B SDLU 2PG16G	1652990000

Note Note: N = Plastic locking lever with stainless steel inlay



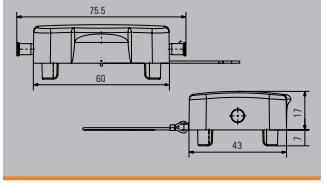
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	55	HDC 06B KLU 1M25G	1021330000
grey	w. thread	75	HDC 16D KLU 1PG21G	1653230000
grey	w. thread	55	HDC 06B KLU 1PG16G	1653200000



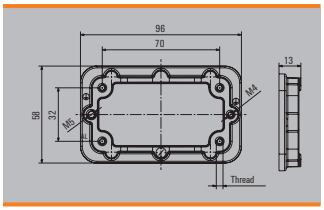
Cover

Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey			HDC IP65 06B FRAME M4	1081550000



RockStar® IP65 Housings / NEMA Type 12, 4X

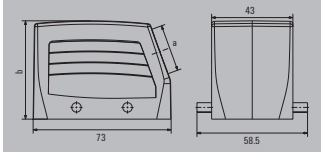
Side locking, lower side

Size 4

Hood

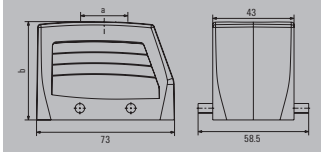
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TSBU 1M20G	**1787560000**
grey	w. thread	52	HDC 10B TSBU 1M25G	**1787550000**
grey	w. thread	72	HDC 24D TSBU 1M25G	**1787240000**
grey	w. thread	72	HDC 24D TSBU 1M32G	**1787230000**
grey	w. thread	52	HDC 10B TSBU 1PG16G	**1654070000**
grey	w. thread	52	HDC 10B TSBU 1PG21G	**1654090000**
grey	w. thread	72	HDC 24D TSBU 1PG21G	**1654150000**
grey	w. thread	72	HDC 24D TSBU 1PG29G	**1654170000**



Plug housing, cable entry at top

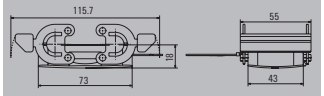
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TOBU 1M20G	**1787600000**
grey	w. thread	52	HDC 10B TOBU 1M25G	**1787590000**
light grey	w. thread	52	HDC 10B TOBU 2M25G CS	**1263780000**
grey	w. thread	72	HDC 24D TOBU 2M20G	**1336600000**
grey	w. thread	72	HDC 24D TOBU 1M25G	**1787300000**
grey	w. thread	72	HDC 24D TOBU 1M32G	**1787290000**
grey	w. thread	52	HDC 10B TOBU 1PG16G	**1654220000**
grey	w. thread	52	HDC 10B TOBU 1PG21G	**1654240000**
grey	w. thread	72	HDC 24D TOBU 1PG29G	**1654320000**



Cover

Version	Type	Order No.
For hoods	HDC 10B DMDQ 2QB	**1665240000**
For hoods	HDC 10B DMDQ 2QB N	**2559740000**

Note	Note: N = Plastic locking lever with stainless steel inlay



Side locking, lower side

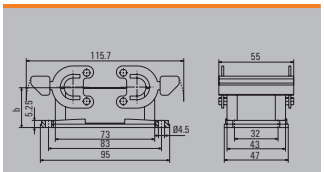
Size 4

Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	30	HDC 10B ABU	1205000000
grey	Side-locking clamp	30	HDC 10B ABU N	2488580000

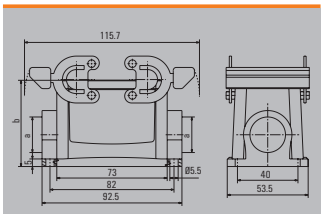
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	57	HDC 10B SBU 1M20G N	2560880000
grey	Side-locking clamp	57	HDC 10B SBU 1M20G	1901360000
grey	Side-locking clamp	57	HDC 10B SBU 2M20G	1787640000
grey	Side-locking clamp	57	HDC 10B SBU 2M20G N	2560890000
grey	Side-locking clamp	57	HDC 10B SBU 1M25G N	2560900000
grey	Side-locking clamp	57	HDC 10B SBU 1M25G	1901370000
grey	Side-locking clamp	57	HDC 10B SBU 2M25G	1787630000
grey	Side-locking clamp	57	HDC 10B SBU 2M25G N	2560910000
grey	Side-locking clamp	74	HDC 24D SBU 1M25G	1903210000
grey	Side-locking clamp	74	HDC 24D SBU 2M25G	1787350000
grey	Side-locking clamp	74	HDC 24D SBU 2M25G N	2560760000
grey	Side-locking clamp	74	HDC 24D SBU 1M32G	1903220000
grey	Side-locking clamp	74	HDC 24D SBU 1M32G N	2560990000
grey	Side-locking clamp	74	HDC 24D SBU 2M32G	1787360000
grey	Side-locking clamp	74	HDC 24D SBU 2M32G N	2561000000
grey	Side-locking clamp	57	HDC 10B SBU 1PG16G	1654370000
grey	Side-locking clamp	57	HDC 10B SBU 1PG16G N	2560730000
grey	Side-locking clamp	57	HDC 10B SBU 2PG16G	1654380000
grey	Side-locking clamp	57	HDC 10B SBU 2PG16G N	2560870000
grey	Side-locking clamp	74	HDC 24D SBU 2PG21G	1654450000
grey	Side-locking clamp	74	HDC 24D SBU 1PG29G	1654470000

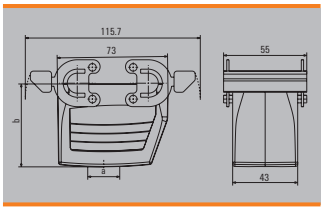
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

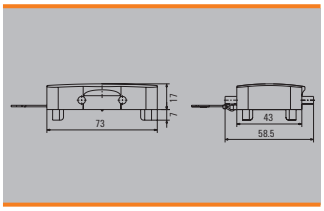
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	55	HDC 10B KBU 1M20G	1787720000
grey	w. thread	55	HDC 10B KBU 1M20G N	2559860000
grey	w. thread	55	HDC 10B KBU 1M25G	1021250000
grey	w. thread	55	HDC 10B KBU 1PG16G	1654580000

Note Note: N = Plastic locking lever with stainless steel inlay



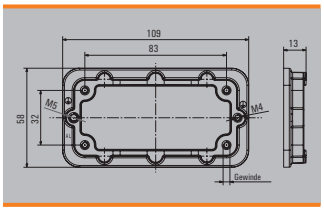
Cover

Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey			HDC IP65 10B FRAME M4	1081560000



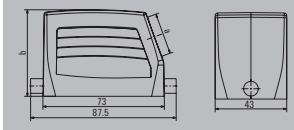
End locking, lower side

Size 4

Hood

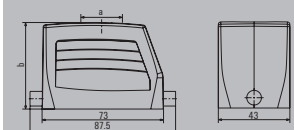
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TSLU 1M25G	1787580000
grey	w. thread	72	HDC 24D TSLU 1M25G	1787280000
grey	w. thread	72	HDC 24D TSLU 1M32G	1787270000
grey	w. thread	52	HDC 10B TSLU 1PG16G	1655210000
grey	w. thread	72	HDC 24D TSLU 1PG21G	1655250000
grey	w. thread	72	HDC 24D TSLU 1PG29G	1655270000



Plug housing, cable entry at top

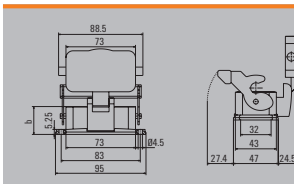
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TOLU 1M25G	1787620000
grey	w. thread	72	HDC 24D TOLU 1M25G	1787340000
grey	w. thread	72	HDC 24D TOLU 1M32G	1787330000
grey	w. thread	52	HDC 10B TOLU 1PG16G	1655320000
grey	w. thread	72	HDC 24D TOLU 1PG21G	1655360000
grey	w. thread	72	HDC 24D TOLU 1PG29G	1655380000



Base

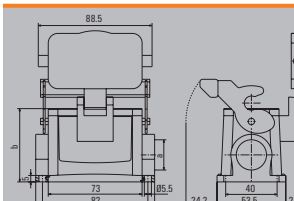
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	29	HDC 10B ALU	1206100000
grey	End-locking clamp	29	HDC 10B ADLU	1206500000



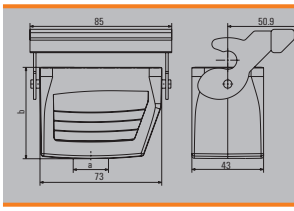
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	57	HDC 10B SLU 1M20G	1901620000
grey	End-locking clamp	57	HDC 10B SDLU 1M20G	1901570000
grey	End-locking clamp	57	HDC 10B SLU 2M20G	1787660000
grey	End-locking clamp	57	HDC 10B SDLU 2M20G	1787700000
grey	End-locking clamp	57	HDC 10B SLU 1M25G	1901640000
grey	End-locking clamp	74	HDC 24D SDLU 1M25G	1903410000
grey	End-locking clamp	57	HDC 10B SLU 2M25G	1787650000
grey	End-locking clamp	74	HDC 24D SDLU 2M25G	1787420000
grey	End-locking clamp	74	HDC 24D SLU 1M32G	1903560000
grey	End-locking clamp	74	HDC 24D SDLU 1M32G	1903510000
grey	End-locking clamp	74	HDC 24D SLU 2M32G	1787370000
grey	End-locking clamp	74	HDC 24D SDLU 2M32G	1787410000
grey	End-locking clamp	57	HDC 10B SLU 2PG16G	1655470000
grey	End-locking clamp	57	HDC 10B SDLU 2PG16G	1655680000



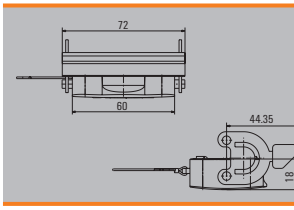
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	55	HDC 10B KLU 1M20G	1787740000
grey	w. thread	55	HDC 10B KLU 1M25G	1787730000
grey	w. thread	75	HDC 24D KLU 1M25G	1787460000
grey	w. thread	75	HDC 24D KLU 1M32G	1787450000
grey	w. thread	55	HDC 10B KLU 1PG16G	1655890000



Cover

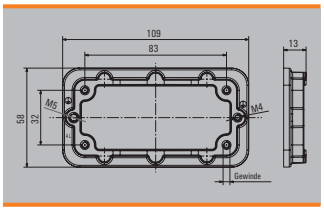
Version	Type	Order No.
	HDC 10B DMDL 1LB	2065540000



End locking, lower side

Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey			HDC IP65 10B FRAME M4	**1081560000**



RockStar® IP65 Housings / NEMA Type 12, 4X

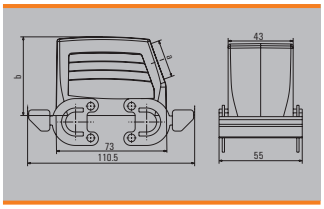
Side locking, upper side

Size 4

Hood

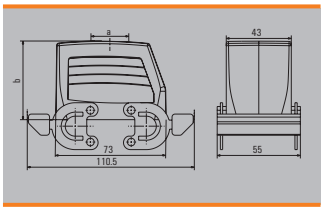
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TSBO 1M25G	1787570000
grey	w. thread	72	HDC 24D TSBO 1M25G	1787260000
grey	w. thread	72	HDC 24D TSBO 1M32G	1787250000
grey	w. thread	52	HDC 10B TSBO 1PG16G	1654750000
grey	w. thread	72	HDC 24D TSBO 1PG16G	1654810000
grey	w. thread	72	HDC 24D TSBO 1PG21G	1654790000



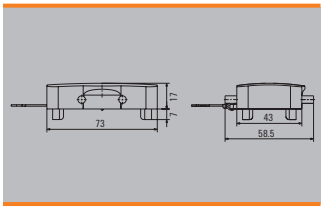
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	52	HDC 10B TOBO 1M25G	1787610000
grey	w. thread	52	HDC 10B TOBO 1PG16G	1654860000
grey	w. thread	72	HDC 24D TOBO 1PG29G	1654920000



Cover

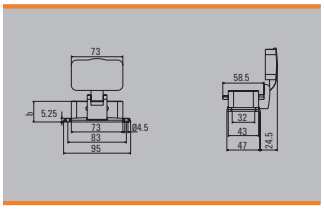
Version	Type	Order No.
For hoods	HDC 10B DMDQ 4BO	1665250000



Base

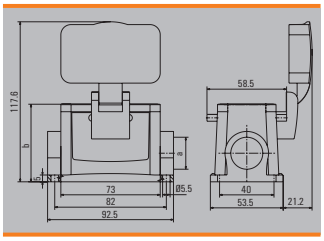
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey		29	HDC 10B ABO	1052430000
grey	Side-locking clamp	52	HDC 10B ADBO	1205600000



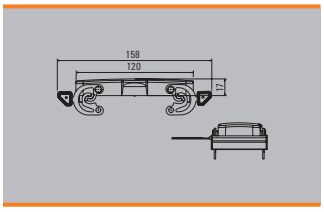
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	57	HDC 10B SDBO 1M20G	1901490000
grey	Side-locking clamp	57	HDC 10B SDBO 2M20G	1787680000
grey	Side-locking clamp	57	HDC 10B SDBO 1M25G	1901510000
grey	Side-locking clamp	74	HDC 24D SDBO 1M25G	1903370000
grey	Side-locking clamp	57	HDC 10B SDBO 2M25G	1787670000
grey	Side-locking clamp	74	HDC 24D SDBO 2M25G	1787400000
grey	Side-locking clamp	57	HDC 10B SDBO 2PG16G	1655000000



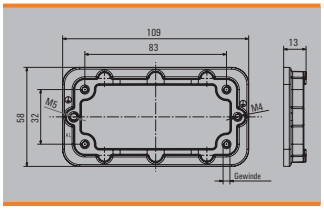
Cover

Version	Type	Order No.
For bases	HDC 10B DODQ 2QB	1009080000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey			HDC IP65 10B FRAME M4	1081560000



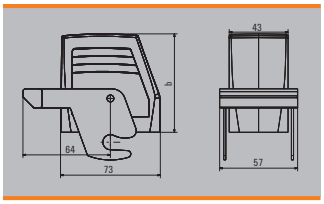
Central-locking clamp

Size 4

Hood

Plug housing, cable entry sideways

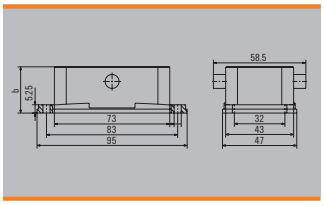
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	72	HDC 24D TSZO 1M25G	**1903610000**
grey	w. thread	72	HDC 24D TSZO 1PG21G	**1968360000**



Base

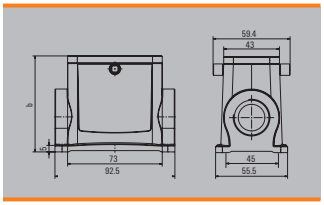
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Central-locking clamp	29	HDC 10B AZO	**1901700000**



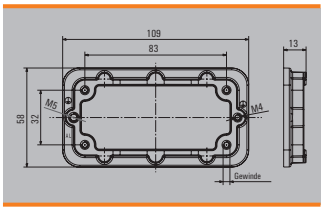
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Central-locking clamp	74	HDC 24D SZO 2PG21G	**1968350000**



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey			HDC IP65 10B FRAME M4	**1081560000**



RockStar® IP65 Housings / NEMA Type 12, 4X

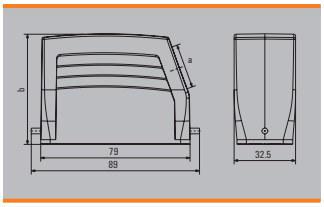
End locking, lower side

Size 5

Hood

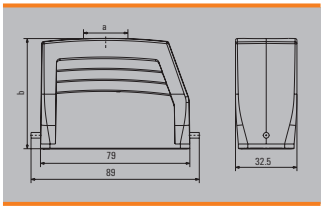
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	58	HDC 16A TSLU 1M20G	1041760000
grey	w. thread	72	HDC 25A TSLU 1M20G	1788680000
grey	w. thread	58	HDC 16A TSLU 1M25G	1788740000
grey	w. thread	72	HDC 25A TSLU 1M25G	1788690000
grey	w. thread	58	HDC 16A TSLU 1PG16G	1664690000
grey	w. thread	72	HDC 25A TSLU 1PG16G	1664730000
grey	w. thread	72	HDC 25A TSLU 1PG21G	1664750000



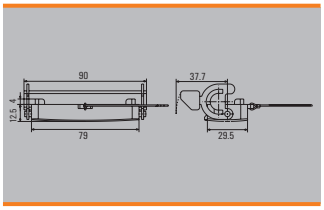
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	72	HDC 25A TOLU 1M20G	1788710000
grey	w. thread	58	HDC 16A TOLU 1M25G	1788750000
grey	w. thread	72	HDC 25A TOLU 1M25G	1788700000
grey	w. thread	58	HDC 16A TOLU 1PG16G	1664810000
grey	w. thread	72	HDC 25A TOLU 1PG21G	1664870000



Cover

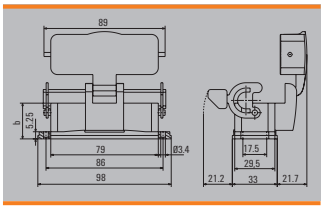
Version	Type	Order No.
For hoods	HDC 16A DODL 1LB	1665900000



Base

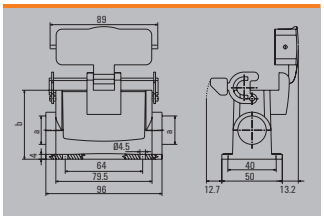
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	26	HDC 16A ALU	1664920000
grey	End-locking clamp	26	HDC 16A ADLU	1664940000



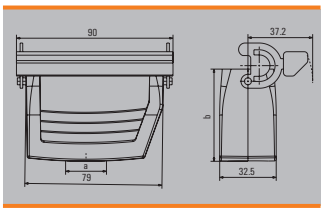
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	57	HDC 16A SLU 1M20G	1934720000
grey	End-locking clamp	57	HDC 16A SDLU 1M20G	1934710000
grey	End-locking clamp	57	HDC 16A SLU 2M20G	1788770000
grey	End-locking clamp	57	HDC 16A SDLU 2M20G	1788790000
grey	End-locking clamp	57	HDC 16A SLU 1M25G	1902330000
grey	End-locking clamp	57	HDC 16A SLU 2M25G	1788760000
grey	End-locking clamp	57	HDC 16A SDLU 2M25G	1788780000
grey	End-locking clamp	57	HDC 16A SLU 2PG16G	1665070000
grey	End-locking clamp	57	HDC 16A SDLU 2PG16G	1665300000
grey	End-locking clamp	57	HDC 16A SLU 1PG21G	1665090000



Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	53	HDC 16A KLU 1M25G	1788800000
grey	w. thread	53	HDC 16A KLU 1PG16G	1665450000



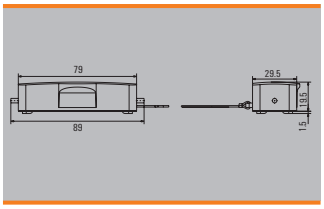
End locking, lower side

Size 5

Base

Cover

Version	Type	Order No.
For bases	HDC 16A DMDL 2BO	**1665910000**



RockStar® IP65 Housings / NEMA Type 12, 4X

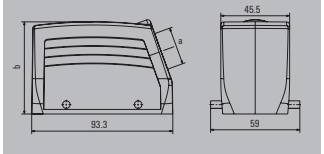
Side locking, lower side

Size 6

Hood

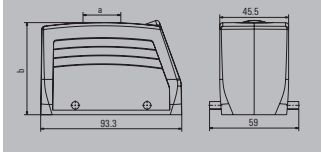
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TSBU 1M25G	1788180000
grey	w. thread	76	HDC 40D TSBU 1M25G	1787010000
grey	w. thread	76	HDC 40D TSBU 1M32G	1787000000
grey	w. thread	61	HDC 16B TSBU 1M40G	1809620000
grey	w. thread	76	HDC 40D TSBU 1M40G	1904800000
grey	w. thread	61	HDC 16B TSBU 1PG21G	1656480000
grey	w. thread	76	HDC 40D TSBU 1PG21G	1656520000
grey	w. thread	76	HDC 40D TSBU 1PG29G	1656540000



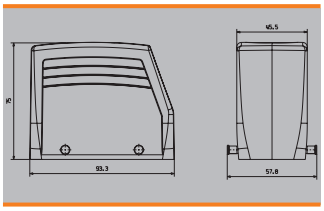
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TOBU 1M25G	1788210000
grey	w. thread	76	HDC 40D TOBU 1M25G	1787070000
grey	w. thread	76	HDC 40D TOBU 2M25	1208380000
grey	w. thread	76	HDC 40D TOBU 1M32G1M20G	1229120000
grey	w. thread	76	HDC 40D TOBU 1M32G	1787060000
grey	w. thread	76	HDC 40D TOBU 2M32G CS	1532320000
grey	w. thread	75	HDC 40D TOBU 1M40G CS	1114890000
grey	w. thread	61	HDC 16B TOBU 1PG21G	1656590000
grey	w. thread	76	HDC 40D TOBU 1PG21G	1656630000
grey	w. thread	76	HDC 40D TOBU 1PG29G	1656650000



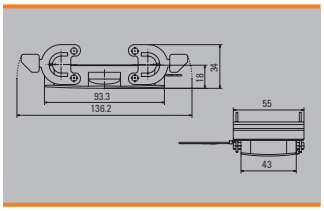
Plug housing, cable entry at top and sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 40D TBU 2M32G CSS	1927480000
grey	w. thread	76	HDC 40D TOBU 2M25G2M16G CS	1251020000



Cover

Version	Type	Order No.
For hoods	HDC 16B DMDQ 2QB	1665270000



Side locking, lower side

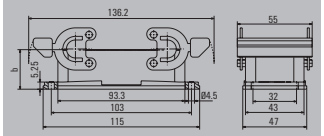
Size 6

Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	29.5	HDC 16B ABU	1208600000
grey	Side-locking clamp	29	HDC 16B ABU N	2488590000

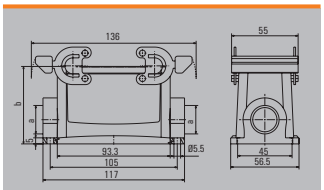
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	64	HDC 16B SBU 1M25G	1899980000
grey	Side-locking clamp	64	HDC 16B SBU 1M25G N	2560740000
grey	Side-locking clamp	64	HDC 16B SBU 2M25G	1788240000
grey	Side-locking clamp	64	HDC 16B SBU 2M25G N	2560930000
grey	Side-locking clamp	84	HDC 40D SBU 1M25G	1902970000
grey	Side-locking clamp	84	HDC 40D SBU 2M25G	1787120000
grey	Side-locking clamp	84	HDC 40D SBU 2M25G N	2561020000
grey	Side-locking clamp	84	HDC 40D SBU 1M32G	1902990000
grey	Side-locking clamp	84	HDC 40D SBU 1M32G N	2561030000
grey	Side-locking clamp	84	HDC 40D SBU 2M32G	1787110000
grey	Side-locking clamp	84	HDC 40D SBU 2M32G N	2561040000
grey	Side-locking clamp	64	HDC 16B SBU 1PG21G	1656720000
grey	Side-locking clamp	64	HDC 16B SBU 1PG21G N	2560940000
grey	Side-locking clamp	64	HDC 16B SBU 2PG21G	1656730000
grey	Side-locking clamp	64	HDC 16B SBU 2PG21G N	2560950000
grey	Side-locking clamp	84	HDC 40D SBU 2PG21G	1656810000
grey	Side-locking clamp	84	HDC 40D SBU 1PG29G	1656830000
grey	Side-locking clamp	84	HDC 40D SBU 2PG29G	1656840000

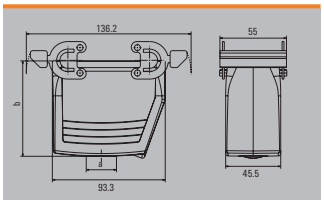
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

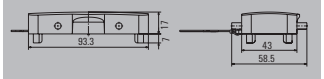
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 40D KBU 1M25G	1787200000
grey	w. thread	79	HDC 40D KBU 1M25G N	2559890000
grey	w. thread	79	HDC 40D KBU 1M32G	1787190000
grey	w. thread	79	HDC 40D KBU 1M32G N	2559900000
grey	w. thread	79	HDC 40D KBU 2M32G N	2545510000
grey	w. thread	64	HDC 16B KBU 1PG21G	1657270000
grey	w. thread	79	HDC 40D KBU 1PG21G	1657310000

Note Note: N = Plastic locking lever with stainless steel inlay



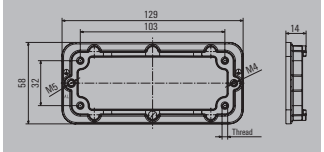
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		14	HDC IP65 16B FRAME M4	1081570000



RockStar® IP65 Housings / NEMA Type 12, 4X

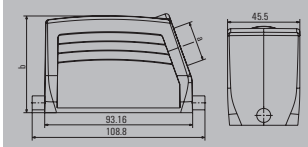
End locking, lower side

Size 6

Hood

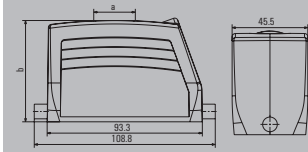
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TSLU 1M25G	1788200000
grey	w. thread	76	HDC 40D TSLU 1M25G	1787050000
grey	w. thread	61	HDC 16B TSLU 1M32G	1804640000
grey	w. thread	76	HDC 40D TSLU 1M32G	1787040000
grey	w. thread	76	HDC 40D TSLU 1M40G	1804650000
grey	w. thread	61	HDC 16B TSLU 1PG21G	1657850000
grey	w. thread	76	HDC 40D TSLU 1PG21G	1657890000
grey	w. thread	76	HDC 40D TSLU 1PG29G	1657910000



Plug housing, cable entry at top

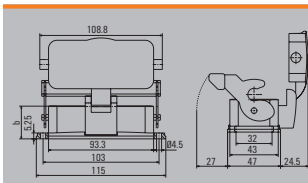
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TOLU 1M25G	1788230000
grey	w. thread	61	HDC 16B TOLU 1M32G	1804630000
grey	w. thread	76	HDC 40D TOLU 1M32G	1787100000
grey	w. thread	75	HDC 40D TOLU 1M40G	1139680000
grey	w. thread	61	HDC 16B TOLU 1PG21G	1657960000
grey	w. thread	76	HDC 40D TOLU 1PG29G	1658020000



Base

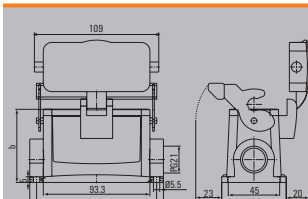
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	30	HDC 16B ALU	1209700000
grey	End-locking clamp	30	HDC 16B ADLU	1210100000



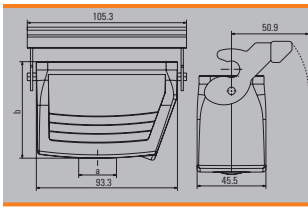
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	64	HDC 16B SLU 1M25G	1900170000
grey	End-locking clamp	102	HDC 40D SDLU 1M25G	1903070000
grey	End-locking clamp	64	HDC 16B SLU 2M25G	1788250000
grey	End-locking clamp	82	HDC 16B SDLU 2M25G	1788270000
grey	End-locking clamp	102	HDC 40D SDLU 2M25G	1787180000
grey	End-locking clamp	84	HDC 40D SLU 1M32G	1903110000
grey	End-locking clamp	102	HDC 40D SDLU 1M32G	1903080000
grey	End-locking clamp	84	HDC 40D SLU 2M32G	1804660000
grey	End-locking clamp	102	HDC 40D SDLU 2M32G	1787170000
grey	End-locking clamp	64	HDC 16B SLU 1PG21G	1658110000
grey	End-locking clamp	82	HDC 16B SDLU 1PG21G	1658320000
grey	End-locking clamp	64	HDC 16B SLU 2PG21G	1658120000
grey	End-locking clamp	82	HDC 16B SDLU 2PG21G	1658330000
grey	End-locking clamp	102	HDC 40D SDLU 1PG29G	1658410000



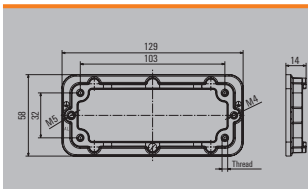
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	65	HDC 16B KLU 1M25G	1788290000
grey	w. thread	79	HDC 40D KLU 1M25G	1787220000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		14	HDC IP65 16B FRAME M4	1081570000



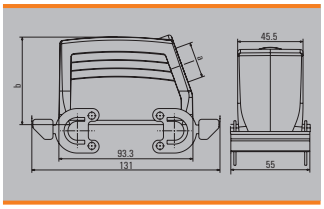
Side locking, upper side

Size 6

Hood

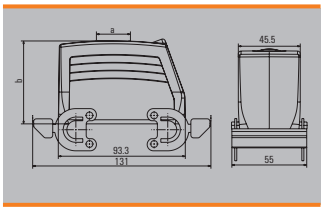
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TSBO 1M25G	**1788190000**
grey	w. thread	61	HDC 16B TSBO 1M32G	**1269040000**
grey	w. thread	76	HDC 40D TSBO 1M25G	**1787030000**
grey	w. thread	76	HDC 40D TSBO 1M32G	**1787020000**
grey	w. thread	76	HDC 40D TSBO 1M40G	**1202230000**
grey	w. thread	61	HDC 16B TSBO 1PG21G	**1657380000**
grey	w. thread	76	HDC 40D TSBO 1PG21G	**1657420000**



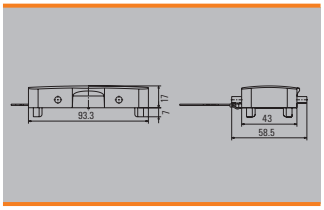
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	61	HDC 16B TOBO 1M25G	**1788220000**
grey	w. thread	61	HDC 16B TOBO 1PG21G	**1657490000**
grey	w. thread	76	HDC 40D TOBO 1PG29G	**1657550000**



Cover

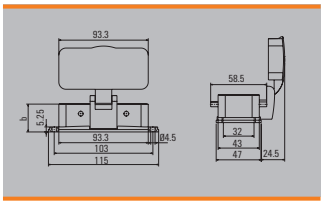
Version	Type	Order No.
For hoods	HDC 16B DMDQ 4BO	**1665620000**



Base

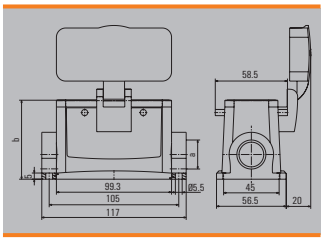
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	29	HDC 16B ADBO	**1209200000**



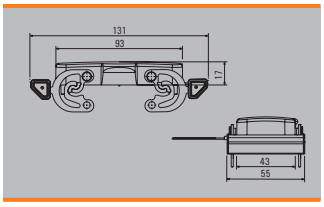
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	64	HDC 16B SDBO 1M25G	**1900080000**
grey	Side-locking clamp	64	HDC 16B SDBO 2M25G	**1788260000**
grey	Side-locking clamp	64	HDC 16B SDBO 2PG21G	**1657640000**



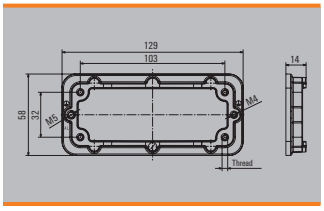
Cover

Version	Type	Order No.
For bases	HDC 16B DODQ 2QB	**1009090000**



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		14	HDC IP65 16B FRAME M4	**1081570000**



RockStar® IP65 Housings / NEMA Type 12, 4X

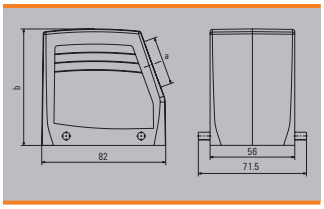
Side locking, lower side

Size 7

Hood

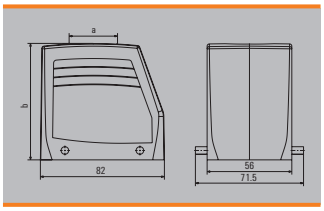
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	77	HDC 32A TSBU 1M25G	1787960000
grey	w. thread	77	HDC 32A TSBU 1M32G	1787950000
grey	w. thread	77	HDC 32A TSBU 1PG21G	1665670000
grey	w. thread	77	HDC 32A TSBU 1PG29G	1665690000



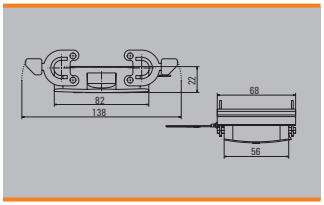
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	77	HDC 32A TOBU 1M32G	1787990000
grey	w. thread	77	HDC 32A TOBU 1PG21G	1665790000
grey	w. thread	77	HDC 32A TOBU 1PG29G	1665810000



Cover

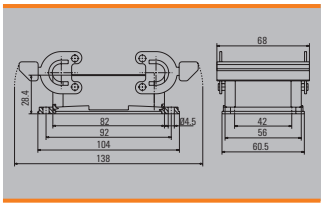
Version	Type	Order No.
For hoods	HDC 32A DMDQ 2QB	1665930000



Base

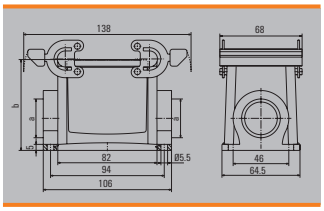
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	30	HDC 32A ABU	1665860000



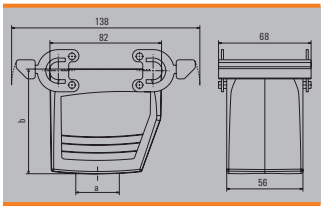
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	75	HDC 32A SBU 1M25G	1903870000
grey	Side-locking clamp	75	HDC 32A SBU 2M25G	1788040000
grey	Side-locking clamp	75	HDC 32A SBU 2PG21G	1665980000
grey	Side-locking clamp	75	HDC 32A SBU 1PG29G	1666010000



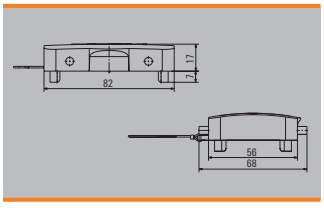
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	77	HDC 32A KBU 1M25G	1788080000
grey	w. thread	77	HDC 32A KBU 1M32G	1788070000



Cover

Version	Type	Order No.
For bases	HDC 32A DODQ 4BO	1665920000



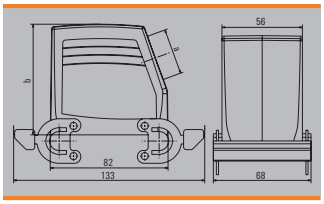
Side locking, upper side

Size 7

Hood

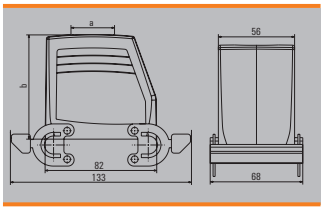
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	77	HDC 32A TSBO 1M25G	1787980000
grey	w. thread	77	HDC 32A TSBO 1M32G	1787970000
grey	w. thread	77	HDC 32A TSBO 1PG29G	1666270000



Plug housing, cable entry at top

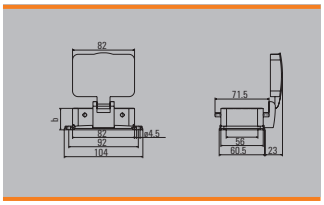
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	77	HDC 32A TOBO 1M32G	1788010000



Base

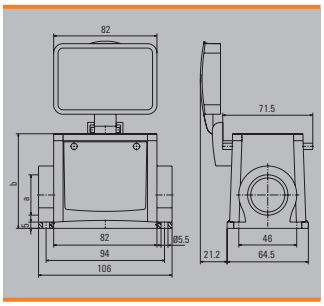
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	30	HDC 32A ADBO	1666440000



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	75	HDC 32A SDBO 1M25G	1903900000
grey	Side-locking clamp	75	HDC 32A SDBO 2M25G	1788060000
grey	Side-locking clamp	75	HDC 32A SDBO 1M32G	1903910000
grey	Side-locking clamp	75	HDC 32A SDBO 2M32G	1788050000
grey	Side-locking clamp	75	HDC 32A SDBO 1PG21G	1666550000
grey	Side-locking clamp	75	HDC 32A SDBO 1PG29G	1666590000



RockStar® IP65 Housings / NEMA Type 12, 4X

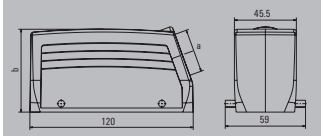
Side locking, lower side

Size 8

Hood

Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TSBU 1M25G	1787760000
grey	w. thread	76	HDC 64D TSBU 1M25G	1786780000
grey	w. thread	63	HDC 24B TSBU 1M32G	1787750000
grey	w. thread	76	HDC 64D TSBU 1M32G	1786770000
grey	w. thread	63	HDC 24B TSBU 1M40G	1902480000
grey	w. thread	76	HDC 64D TSBU 1M40G	1809630000
grey	w. thread	63	HDC 24B TSBU 1PG21G	1661230000
grey	w. thread	76	HDC 64D TSBU 1PG21G	1661300000
grey	w. thread	63	HDC 24B TSBU 1PG29G	1661240000
grey	w. thread	76	HDC 64D TSBU 1PG29G	1661320000



Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TOBU 1M25G	1787820000
grey	w. thread	63	HDC 24B TOBU 2M25G CS	1365030000
grey	w. thread	63	HDC 24B TOBU 1M32G	1787810000
grey	w. thread	76	HDC 64D TOBU 1M32G	1786830000
grey	w. thread	76	HDC 64D TOBU 2M32G	1009710000
grey	w. thread	63	HDC 24B TOBU 1M40G	1902980000
grey	w. thread	76	HDC 64D TOBU 1M40G	1045560000
grey	w. thread	63	HDC 24B TOBU 1PG21G	1661370000
grey	w. thread	76	HDC 64D TOBU 1PG21G	1661440000
grey	w. thread	63	HDC 24B TOBU 1PG29G	1661380000
grey	w. thread	76	HDC 64D TOBU 1PG29G	1661460000

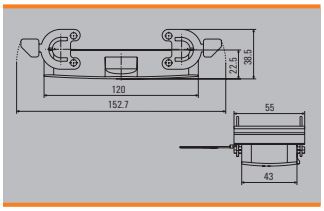
Plug housing, cable entry at top and sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TBU 2M40G CS	1131600000
	w. thread	76	HDC 64D TBU 2M32G CS	1324520000

Cover

Version	Type	Order No.
For hoods	HDC 24B DMDQ 2QB	1665640000
For hoods	HDC 24B DMDQ 2QB N	2559760000

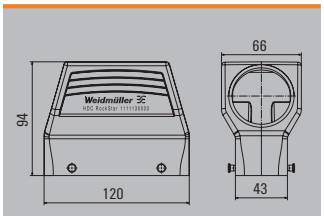
Note	Note: N = Plastic locking lever with stainless steel inlay



Hood

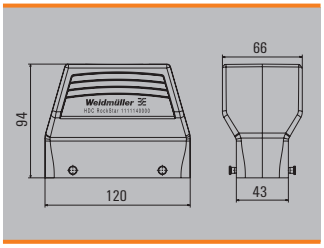
XXL plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 64D TSBU 1M50G	1111130000



XXL plug housing, cable entry on top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 64D TOBU 1M50G	1111140000



Side locking, lower side

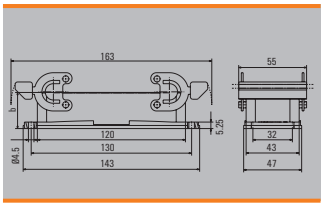
Size 8

Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	30	HDC 24B ABU	1212400000
grey	Side-locking clamp	30	HDC 24B ABU N	2488600000

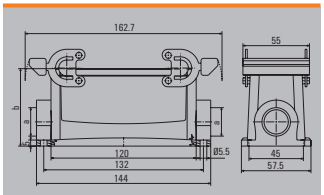
Note Note: N = Plastic locking lever with stainless steel inlay



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	64	HDC 24B SBU 1M25G	1901150000
grey	Side-locking clamp	64	HDC 24B SBU 2M25G	1787870000
grey	Side-locking clamp	84	HDC 64D SBU 1M25G	1904340000
grey	Side-locking clamp	64	HDC 24B SBU 2M25G N	2560970000
grey	Side-locking clamp	84	HDC 64D SBU 2M25G	1786890000
grey	Side-locking clamp	64	HDC 24B SBU 1M25G N	2560960000
grey	Side-locking clamp	84	HDC 64D SBU 2M25G N	2561060000
grey	Side-locking clamp	84	HDC 64D SBU 1M32G N	2561050000
grey	Side-locking clamp	84	HDC 64D SBU 2M32G	1786880000
grey	Side-locking clamp	84	HDC 64D SBU 1M32G	1904350000
grey	Side-locking clamp	64	HDC 24B SBU 1PG21G	1661510000
grey	Side-locking clamp	64	HDC 24B SBU 1PG21G N	2560750000
grey	Side-locking clamp	64	HDC 24B SBU 2PG21G	1661520000
grey	Side-locking clamp	84	HDC 64D SBU 2PG21G	1661590000
grey	Side-locking clamp	84	HDC 64D SBU 2PG29G	1661630000

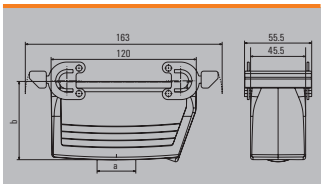
Note Note: N = Plastic locking lever with stainless steel inlay



Coupling housing

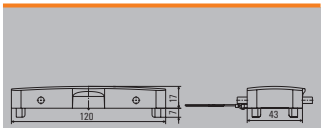
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	65	HDC 24B KBU 1M25G	1787920000
grey	w. thread	65	HDC 24B KBU 1M25G N	2559870000
grey	w. thread	65	HDC 24B KBU 2M32G N	2559880000
grey	w. thread	79	HDC 64D KBU 1M32G	1786960000
grey	w. thread	79	HDC 64D KBU 1M32G N	2559910000
grey	w. thread	65	HDC 24B KBU 1PG21G	1661720000
grey	w. thread	65	HDC 24B KBU 1PG29G	1661730000

Note Note: N = Plastic locking lever with stainless steel inlay



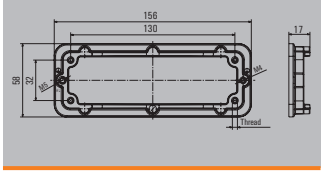
Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 4BO	1665630000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		17	HDC IP65 24B FRAME M4	1081580000



RockStar® IP65 Housings / NEMA Type 12, 4X

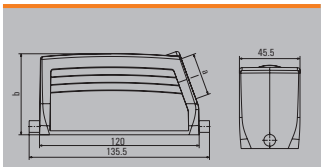
End locking, lower side

Size 8

Hood

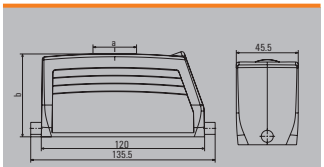
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TSLU 1M25G	1787800000
grey	w. thread	63	HDC 24B TSLU 1M32G	1787790000
grey	w. thread	76	HDC 64D TSLU 1M32G	1786810000
grey	w. thread	76	HDC 64D TSLU 1M40G	1804610000
grey	w. thread	63	HDC 24B TSLU 1PG21G	1662390000
grey	w. thread	76	HDC 64D TSLU 1PG21G	1662470000
grey	w. thread	63	HDC 24B TSLU 1PG29G	1662410000
grey	w. thread	76	HDC 64D TSLU 1PG29G	1662490000



Plug housing, cable entry at top

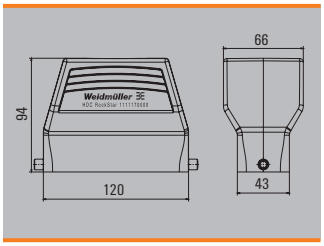
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TOLU 1M25G	1787860000
grey	w. thread	76	HDC 64D TOLU 1M25G	1786870000
grey	w. thread	63	HDC 24B TOLU 1M32G	1787850000
grey	w. thread	76	HDC 64D TOLU 1M32G	1786860000
grey	w. thread	76	HDC 64D TOLU 1M40G	1983470000
grey	w. thread	63	HDC 24B TOLU 1PG21G	1662540000
grey	w. thread	76	HDC 64D TOLU 1PG21G	1662610000
grey	w. thread	63	HDC 24B TOLU 1PG29G	1662550000
grey	w. thread	76	HDC 64D TOLU 1PG29G	1662630000



Hood

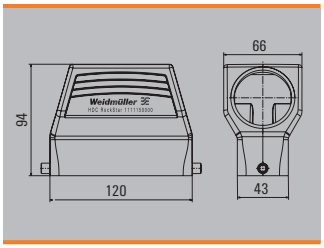
XXL plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 64D TSLU 1M50G	1111150000



XXL plug housing, cable entry on top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 64D TOLU 1M50G	1111170000



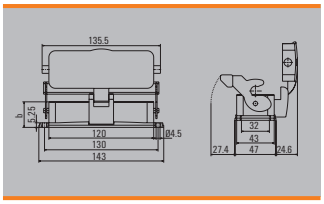
End locking, lower side

Size 8

Base

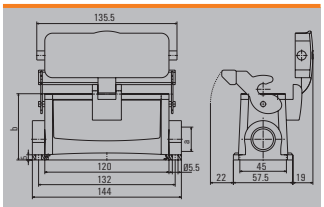
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	29	HDC 24B ALU	1213900000
grey	End-locking clamp	29	HDC 24B ADLU	1214300000



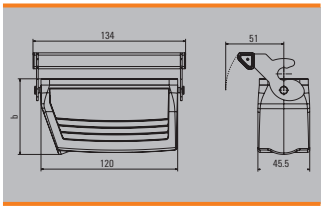
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	64	HDC 24B SLU 1M25G	1901560000
grey	End-locking clamp	64	HDC 24B SDLU 1M25G	1901480000
grey	End-locking clamp	84	HDC 64D SLU 1M25G	1904480000
grey	End-locking clamp	84	HDC 64D SDLU 1M25G	1904430000
grey	End-locking clamp	64	HDC 24B SLU 2M25G	1787880000
grey	End-locking clamp	64	HDC 24B SDLU 2M25G	1787900000
grey	End-locking clamp	84	HDC 64D SLU 2M25G	1786910000
grey	End-locking clamp	84	HDC 64D SDLU 2M25G	1786950000
grey	End-locking clamp	84	HDC 64D SLU 1M32G	1904490000
grey	End-locking clamp	84	HDC 64D SDLU 1M32G	1904440000
grey	End-locking clamp	84	HDC 64D SLU 2M32G	1786900000
grey	End-locking clamp	84	HDC 64D SDLU 2M32G	1786940000
grey	End-locking clamp	64	HDC 24B SLU 2PG21G	1662720000
grey	End-locking clamp	64	HDC 24B SDLU 2PG21G	1214500000
grey	End-locking clamp	84	HDC 64D SDLU 2PG29G	1663040000



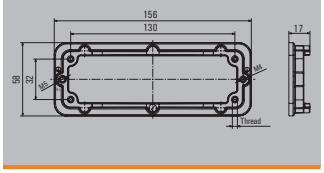
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	66	HDC 24B KLU 1M25G	1968340000



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		17	HDC IP65 24B FRAME M4	1081580000



RockStar® IP65 Housings / NEMA Type 12, 4X

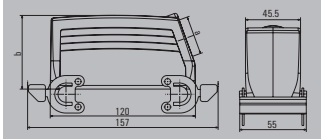
Side locking, upper side

Size 8

Hood

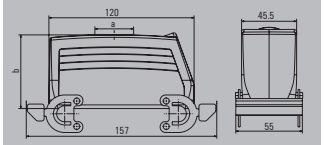
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TSBO 1M25G	1787780000
grey	w. thread	76	HDC 64D TSBO 1M25G	1786800000
grey	w. thread	63	HDC 24B TSBO 1M32G	1787770000
grey	w. thread	76	HDC 64D TSBO 1M32G	1786790000
grey	w. thread	63	HDC 24B TSBO 1PG21G	1661860000
grey	w. thread	76	HDC 64D TSBO 1PG21G	1661940000
grey	w. thread	63	HDC 24B TSBO 1PG29G	1661880000
grey	w. thread	76	HDC 64D TSBO 1PG29G	1661960000



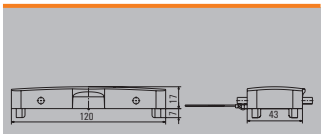
Plug housing, cable entry at top

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	63	HDC 24B TOBO 1M32G	1787830000
	w. thread	76	HDC 64D TOBO 2M32G CS	1253270000
grey	w. thread	76	HDC 64D TOBO 1PG21G	1662080000
grey	w. thread	63	HDC 24B TOBO 1PG29G	1662020000
grey	w. thread	76	HDC 64D TOBO 1PG29G	1662100000



Cover

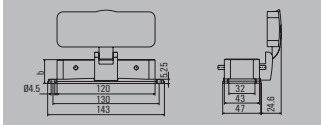
Version	Type	Order No.
For hoods	HDC 24B DMDQ 4BO	1665650000



Base

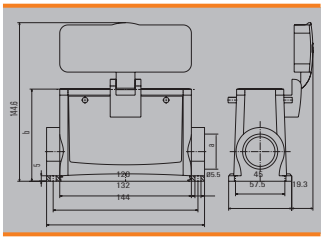
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	29	HDC 24B ABO	1967910000
grey	Side-locking clamp	29	HDC 24B ADBO	1213300000



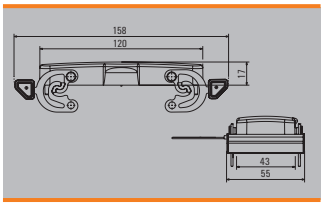
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	84	HDC 64D SDBO 1M32G	1904400000
grey	Side-locking clamp	84	HDC 64D SDBO 2M32G	1786920000
grey	Side-locking clamp	64	HDC 24B SDBO 2PG21G	1662180000
grey	Side-locking clamp	84	HDC 64D SDBO 1PG29G	1662280000



Cover

Version	Type	Order No.
For bases	HDC 24B DODQ 2QB	1009100000



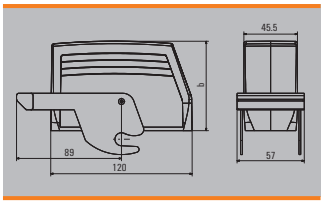
Central-locking

Size 8

Hood

Plug housing, cable entry sideways

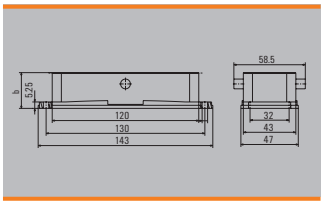
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	76	HDC 64D TSZO 1M40G	**1904690000**
grey	w. thread	76	HDC 64D TSZO 1PG21G	**1663370000**
grey	w. thread	76	HDC 64D TSZO 1PG29G	**1663390000**



Base

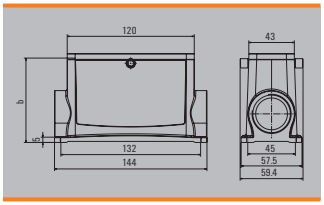
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Central-locking clamp	29	HDC 24B AZO	**1611350000**



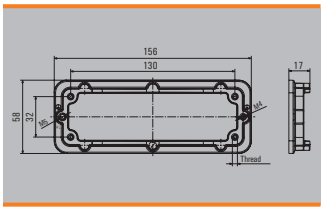
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Central-locking clamp	80	HDC 64D SZO 2PG29G	**1968370000**



Counter-frame

Colour	Version	b (mm)	Type	Order No.
Silver grey		17	HDC IP65 24B FRAME M4	**1081580000**



RockStar® IP65 Housings / NEMA Type 12, 4X

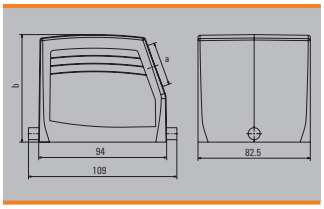
End locking, lower side

Size 9

Hood

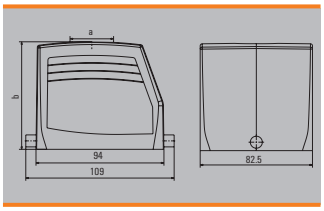
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	78	HDC 48A TSLU 1M32G	**1788550000**
grey	w. thread	78	HDC 48A TSLU 1PG29G	**1666710000**



Plug housing, cable entry at top

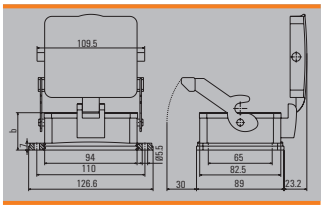
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	78	HDC 48A TOLU 1M32G	**1788560000**
grey	w. thread	78	HDC 48A TOLU 1PG29G	**1666730000**



Base

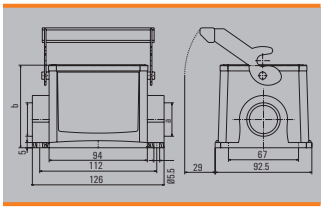
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	40	HDC 48A ALU	**1666740000**
grey	End-locking clamp	40	HDC 48A ADLU	**1666750000**



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	79	HDC 48A SLU 2M32G	**1788570000**
grey	End-locking clamp	79	HDC 48A SLU 1PG29G	**1666770000**
grey	End-locking clamp	79	HDC 48A SDLU 1PG29G	**1666810000**



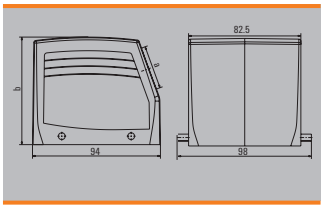
Side locking, lower side

Size 10

Hood

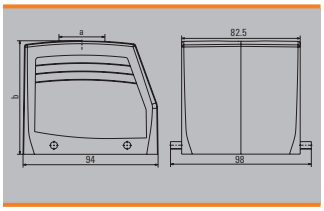
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 32B TSBU 1M32G	1788400000
grey	w. thread	79	HDC 32B TSBU 1PG29G	1666840000



Plug housing, cable entry at top

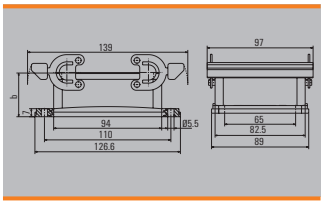
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 32B TOBU 1M32G	1788430000
grey	w. thread	79	HDC 32B TOBU 1PG29G	1666870000



Base

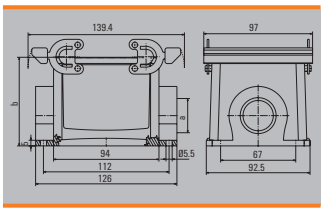
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	38	HDC 32B ABU	1217800000



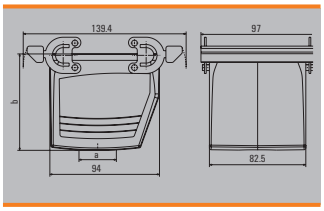
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	79	HDC 32B SBU 1M32G	1902600000
grey	Side-locking clamp	79	HDC 32B SBU 2M32G	1788460000
grey	Side-locking clamp	79	HDC 32B SBU 2M40G CS	1301990000
grey	Side-locking clamp	79	HDC 32B SBU 2PG29G	1666920000
grey	Side-locking clamp	79	HDC 32B SBU 1PG36G	1902610000
grey	Side-locking clamp	79	HDC 32B SBU 2PG36G	1902640000



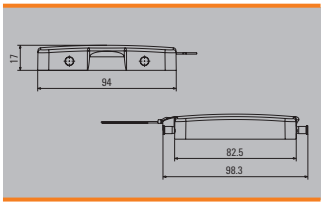
Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	83	HDC 32B KBU 1M40G	1902730000
grey	w. thread	83	HDC 32B KBU 1PG29G	1902740000
grey	w. thread	83	HDC 32B KBU 1PG36G	1902750000



Cover

Version	Type	Order No.
For bases	HDC 32B DODQ 4BO	1165790000



RockStar® IP65 Housings / NEMA Type 12, 4X

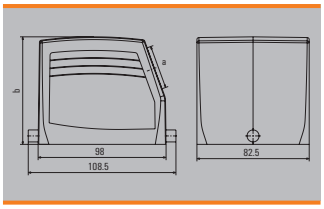
End locking, lower side

Size 10

Hood

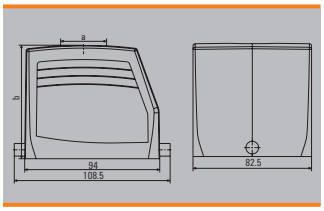
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 32B TSLU 1M32G	1788420000
grey	w. thread	79	HDC 32B TSLU 1PG29G	1667120000



Plug housing, cable entry at top

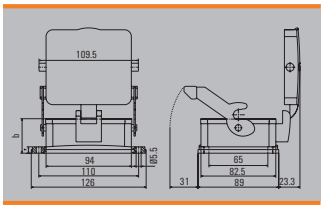
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 32B TOLU 1M32G	1788450000
grey	w. thread	79	HDC 32B TOLU 1PG29G	1219300000



Base

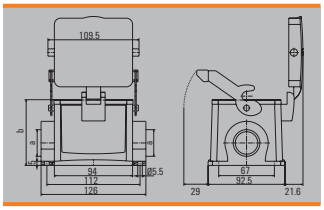
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	38	HDC 32B ALU	1219500000
grey	End-locking clamp	55	HDC 32B ADLU	1219800000



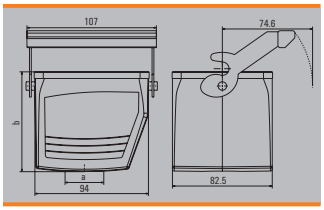
Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	79	HDC 32B SLU 1M32G	1902670000
grey	End-locking clamp	96	HDC 32B SDLU 1M32G	1902650000
grey	End-locking clamp	79	HDC 32B SLU 2M32G	1788470000
grey	End-locking clamp	96	HDC 32B SDLU 2M32G	1788490000



Coupling housing

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	83	HDC 32B KLU 1M32G	1788500000



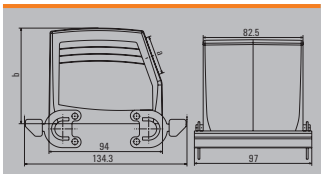
Side locking, upper side

Size 10

Hood

Plug housing, cable entry sideways

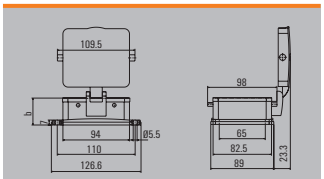
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	79	HDC 32B TSBO 1M32G	**1788410000**



Base

Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	Side-locking clamp	55	HDC 32B ADBO	**1218800000**



RockStar® IP65 Housings / NEMA Type 12, 4X

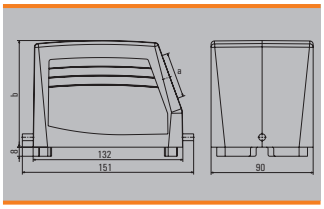
End locking, lower side

Size 12

Hood

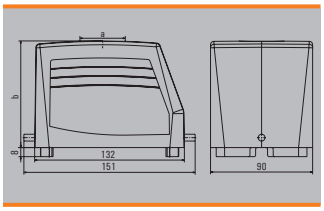
Plug housing, cable entry sideways

Colour	Version	b (mm)	Type	Order No.
grey	w. thread	94	HDC 48B TSLU 1M32G	1788320000
grey	w. thread	94	HDC 48B TSLU 1M40G	1788310000
grey	w. thread	94	HDC 48B TSLU 1M50G	1788300000
grey	w. thread	94	HDC 48B TSLU 1PG29G	1650850000
grey	w. thread	94	HDC 48B TSLU 1PG36G	1650860000
grey	w. thread	94	HDC 48B TSLU 1PG42G	1670470000



Plug housing, cable entry at top

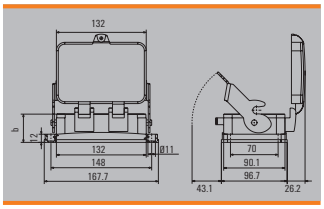
Colour	Version	b (mm)	Type	Order No.
grey	w. thread	94	HDC 48B TOLU 1M32G	1788350000
grey	w. thread	94	HDC 48B TOLU 1M40G	1788340000
grey	w. thread	94	HDC 48B TOLU 1M50G	1788330000
grey	w. thread	94	HDC 48B TOLU 1PG29G	1650980000
grey	w. thread	94	HDC 48B TOLU 1PG36G	1651000000



Base

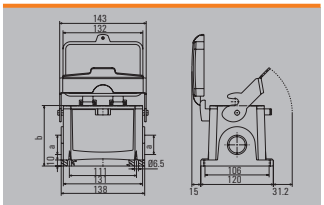
Bulkhead housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	62	HDC 48B ADLU	1222900000
grey	End-locking clamp	42	HDC 48B ALU	1295600000



Base housing

Colour	Version	b (mm)	Type	Order No.
grey	End-locking clamp	100	HDC 48B SLU 1M32G	1904190000
grey	End-locking clamp	120	HDC 48B SDLU 1M32G	1904150000
grey	End-locking clamp	100	HDC 48B SLU 2M32G	1788370000
grey	End-locking clamp	120	HDC 48B SDLU 2M32G	1788390000
grey	End-locking clamp	100	HDC 48B SLU 2M40G	1788360000
grey	End-locking clamp	120	HDC 48B SDLU 2M40G	1983500000
grey	End-locking clamp	120	HDC 48B SDLU 2M50G	1983510000
grey	End-locking clamp	100	HDC 48B SLU 1PG29G	1651100000
grey	End-locking clamp	120	HDC 48B SDLU 1PG29G	1799810000
grey	End-locking clamp	120	HDC 48B SDLU 2PG29G	1667560000



RockStar® Housings IP65 / EMC

RockStar® Housings IP65 / EMC

Introduction E.2

RockStar® Housings IP65 / EMC E.4

Size 3, 4, 6 and 8

Optimal protection against electric or electromagnetic fields

HDC IP65 EMC enclosure with above-average shielding properties

Protection against electrical and electromagnetic influences is essential in many industries to ensure fault-free operation. RockStar® HDC IP65 EMC enclosures can be used wherever optimal shielding with low transfer impedance is required.

The labyrinth structure on the housing enables reliable data transmission, which reduces the risk of system failure and increases productivity. The FPM sealing material permits RockStar® HDC IP65 EMC enclosures to be used indoors as well as outdoors. With only one type of enclosure, the number of storage items decreases significantly. The conductive and corrosion-resistant surface coating meets increased environmental requirements and lowers procurement costs.

The EMC enclosures are not compatible with the gray RockStar® standard enclosures.

Your special advantages

- Effective labyrinth structure for secure data transmission
- Extremely reliable FPM seals for indoor and outdoor use
- Internal O-ring seal for quick and easy installation

Effective labyrinth structure
Excellent shielding effect is achieved due to the unique labyrinth structure and the large contact area between the bulkhead mount and hoods.

Corrosion-resistant, conductive surface
The unique surface finish makes the housing impact-resistant, electrically conductive and corrosion-resistant–even in seawater environments.

Robust sealing material
The ozone- and UV-resistant sealing material FPM withstands an extended temperature range from –40 to +150 °C.

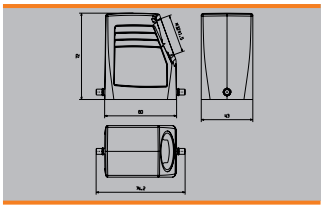
Housing selection RockStar® IP65 EMC

Size 3

Hood

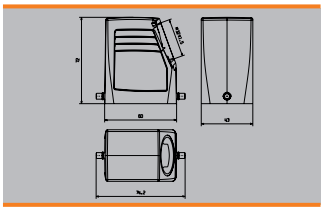
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread		HDC 16D TSLU 1M32G EMC	**2543960000**



Plug housing, cable entry at top

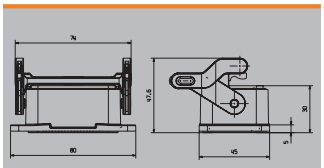
Version	b (mm)	Type	Order No.
w. thread		HDC 16D TOLU 1M32G EMC	**2543970000**



Base

Bulkhead housing

Version	b (mm)	Type	Order No.
End-locking clamp		HDC 06B ALU EMC	**2542230000**



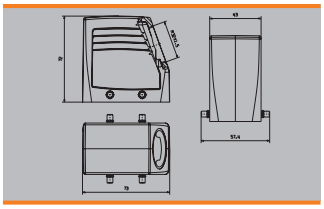
Housing selection RockStar® IP65 EMC

Size 4

Hood

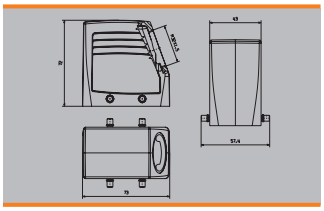
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread		HDC 24D TSBU 1M32G EMC	2544010000



Plug housing, cable entry at top

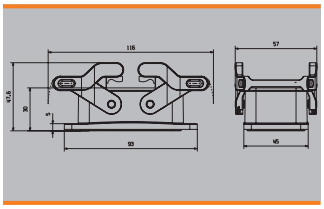
Version	b (mm)	Type	Order No.
w. thread		HDC 24D TOBU 1M32G EMC	2544020000



Base

Bulkhead housing

Version	b (mm)	Type	Order No.
Side-locking clamp		HDC 10B ABU EMC	2542310000



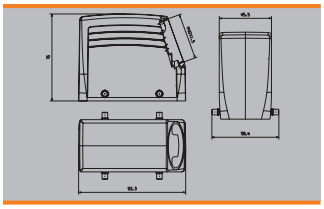
Housing selection RockStar® IP65 EMC

Size 6

Hood

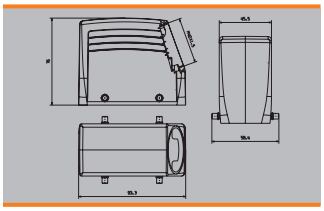
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread		HDC 40D TSBU 1M40G EMC	**2544030000**



Plug housing, cable entry at top

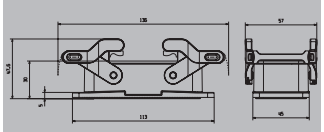
Version	b (mm)	Type	Order No.
w. thread		HDC 40D TOBU 1M40G EMC	**2544040000**



Base

Bulkhead housing

Version	b (mm)	Type	Order No.
Side-locking clamp		HDC 16B ABU EMC	**2542320000**



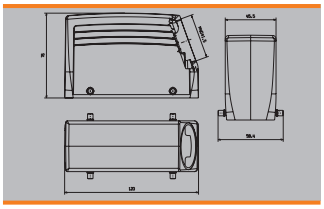
Housing selection RockStar® IP65 EMC

Size 8

Hood

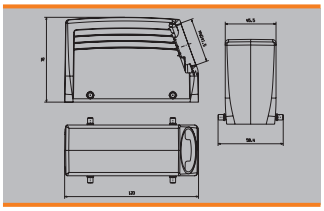
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread		HDC 64D TSBU 1M40G EMC	2544050000



Plug housing, cable entry at top

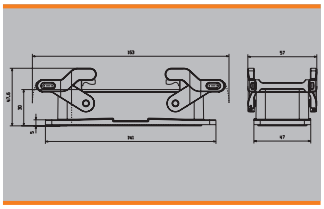
Version	b (mm)	Type	Order No.
w. thread		HDC 64D TOBU 1M40G EMC	2544060000



Base

Bulkhead housing

Version	b (mm)	Type	Order No.
Side-locking clamp		HDC 24B ABU EMC	2527810000



RockStar® Housings IP66 / IP68 / EMC

RockStar® Housings IP66 / IP68 / EMC

Introduction F.2

RockStar® Housings IP66 / IP68 / EMC F.4

Size 1 - 8

RockStar® Housings IP66 / IP68 / EMC

The RockStar® IP68 and IP69K housings are resistant to sea water and high impacts. They are designed for use under extreme environmental conditions and comply with the high vibration requirements of DIN EN 61373 Cat 2 (pivot mounting). These housings deliver a fail-safe and maintenance-free solution when using heavy-duty connectors in transportation, traffic engineering and energy technology. They are also suitable for applications subject to extreme climatic conditions.
Weidmüller has designed the RockStar® IP68 housings with additional built-in features that ensure outstanding EMC. The bulkhead or base housing, combined with the plug housing, produces a labyrinth structure which ensures high shield attenuation.
RockStar® IP68 housings are available in sizes 1, 3, 4, 6, 8 and 8 XXL; they can be combined with all fixed-pole and modular inserts.

Impact resistant
The optimised construction provides high impact resistance and therefore, a long product lifespan

Practical
Laser labelling for permanent identification and faster allocation

Simple
A screw lock with internal and external hex drive is used for the housing's closure mechanism.

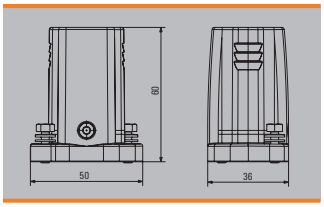
Screw locking

Size 1

Hood

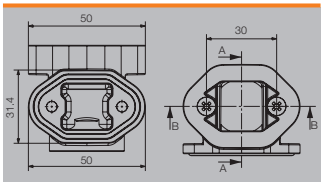
Plug housing, cable entry at top

Version	b (mm)	Type	Order No.
w. thread	60	HDC IP68 04A TOS 1M20	**1082390000**
w. thread	60	HDC IP68 04A TOS 1M25G	**1513390000**
w. thread	60	HDC IP68 04A TOS 1PG13	**1082410000**



Adapter

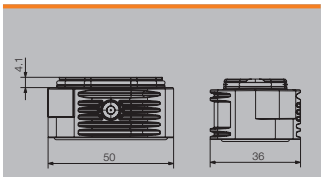
Version	b (mm)	Type	Order No.
	39	HDC IP68 04A ADS	**1083130000**



Base

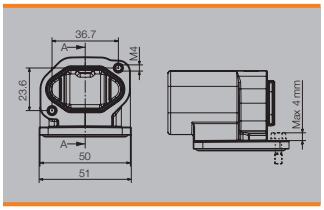
Bulkhead housing

Version	b (mm)	Type	Order No.
	24	HDC IP68 04A AS	**1081470000**



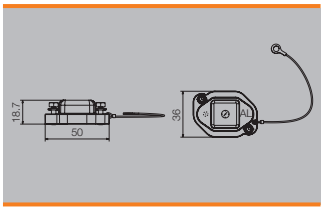
Angled bulkhead housing

Version	b (mm)	Type	Order No.
w. thread	44	HDC IP68 04A AWS 1M20	**1081480000**
w. thread	44	HDC IP68 04A AWS	**1081490000**
w. thread	44	HDC IP68 04A AWS 1M25	**2430170000**



Cover

Version	Type	Order No.
	HDC IP68 04A COVER	**1083110000**



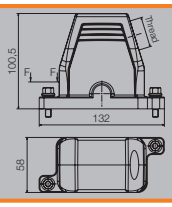
Screw locking

Size 3

Hood

Plug housing, cable entry sideways

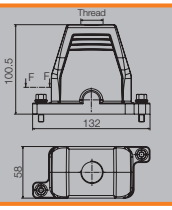
Version	b (mm)	Type	Order No.
w. thread		HDC IP68 06B TSS 1M20	**1082510000**
w. thread		HDC IP68 06B TSS 1M25	**1082530000**
w. thread		HDC IP68 06B TSS 1M32	**1082550000**
w. thread		HDC IP68 06B TSS 1PG21	**1082570000**



Plug housing, cable entry at top

Version	b (mm)	Type	Order No.
w. thread	100	HDC IP68 06B TOS 1M20	**1082420000**
w. thread	100	HDC IP68 06B TOS 1M25	**1082430000**
w. thread	100	HDC IP68 06B TOS 1M32	**1082440000**
w. thread	100	HDC IP68 06B TOS 1M40	**1082450000**

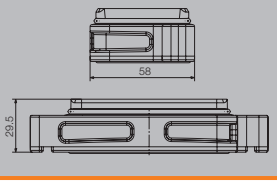
Note Article 1288190000 is mounted with an external earth connection.



Base

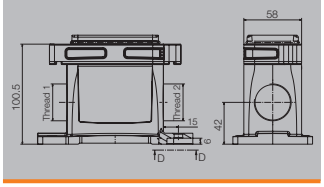
Bulkhead housing

Version	b (mm)	Type	Order No.
w. thread	30	HDC IP68 06B AS	**1081510000**



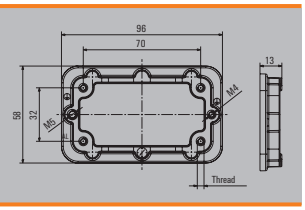
Base housing

Version	b (mm)	Type	Order No.
w. thread	101	HDC IP68 06B SS 1M20	**1081180000**
w. thread	101	HDC IP68 06B SS 2M20	**1081250000**
w. thread	101	HDC IP68 06B SS 1M25	**1081190000**
w. thread	101	HDC IP68 06B SS 2M25	**1081240000**
w. thread	101	HDC IP68 06B SS 1M32	**1081210000**
w. thread	101	HDC IP68 06B SS 2M32	**1081220000**



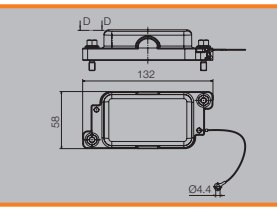
Counter-frame

Version	b (mm)	Type	Order No.
	13	HDC IP68 06B FRAME M6	**1110890000**



Cover

Version	Type	Order No.
	HDC IP68 06B COVER	**1083060000**



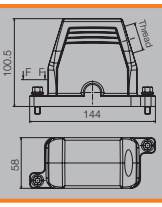
Screw locking

Size 4

Hood

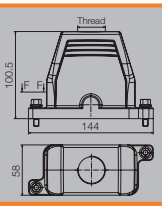
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread	101	HDC IP68 10B TSS 1M20	**1082690000**
w. thread	101	HDC IP68 10B TSS 1M25	**1082650000**
w. thread	101	HDC IP68 10B TSS 1M32	**1082660000**
w. thread	101	HDC IP68 10B TSS 1PG21	**1082670000**
w. thread	101	HDC IP68 10B TSS 1PG29	**1082680000**



Plug housing, cable entry at top

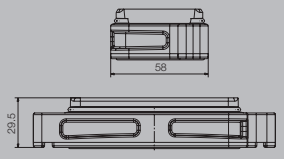
Version	b (mm)	Type	Order No.
w. thread	101	HDC IP68 10B TOS 1M20	**1082580000**
w. thread	101	HDC IP68 10B TOS 1M25	**1082590000**
w. thread	101	HDC IP68 10B TOS 1M32	**1082610000**
w. thread	101	HDC IP68 10B TOS 1PG16	**1082620000**
w. thread	101	HDC IP68 10B TOS 1PG21	**1082630000**
w. thread	101	HDC IP68 10B TOS 1PG29	**1082640000**



Base

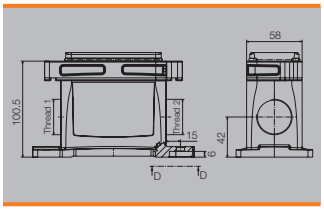
Bulkhead housing

Version	b (mm)	Type	Order No.
		HDC IP68 10B AS	**1081520000**



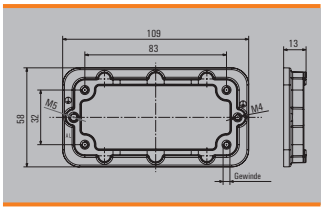
Base housing

Version	b (mm)	Type	Order No.
w. thread	101	HDC IP68 10B SS 1M20	**1081270000**
w. thread	101	HDC IP68 10B SS 1M32	**1081280000**
w. thread	101	HDC IP68 10B SS 2M32	**1081320000**
w. thread	101	HDC IP68 10B SS 1PG29	**1081290000**



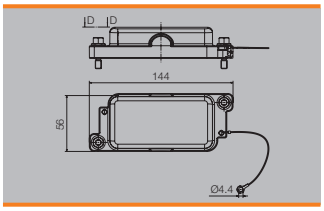
Counter-frame

Version	b (mm)	Type	Order No.
		HDC IP68 10B FRAME M6	**1110900000**



Cover

Version	Type	Order No.
	HDC IP68 10B COVER	**1083070000**



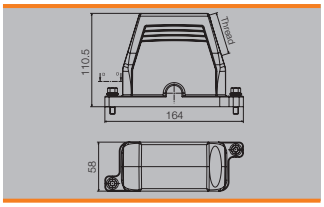
Screw locking

Size 6

Hood

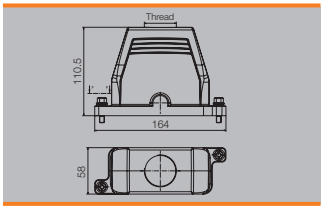
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread	111	HDC IP68 16B TSS 1M32	1082800000
w. thread	111	HDC IP68 16B TSS 1M40	1082810000
w. thread	111	HDC IP68 16B TSS 1M50	1082820000
w. thread	111	HDC IP68 16B TSS 1PG21	1082830000
w. thread	111	HDC IP68 16B TSS 1PG29	1082840000
w. thread	111	HDC IP68 16B TSS 1PG36	1082850000



Plug housing, cable entry at top

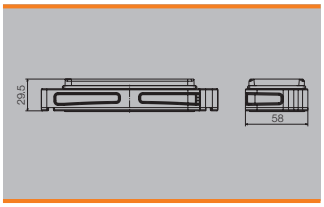
Version	b (mm)	Type	Order No.
w. thread	111	HDC IP68 16B TOS 1M25	1082700000
w. thread	111	HDC IP68 16B TOS 2M25	1082780000
w. thread	111	HDC IP68 16B TOS 1M32	1082710000
w. thread	111	HDC IP68 16B TOS 1M40	1082720000
w. thread	111	HDC IP68 16B TOS 1M50	1082730000
w. thread	111	HDC IP68 16B TOS 1PG21	1082750000
w. thread	111	HDC IP68 16B TOS 2PG21	1082740000



Base

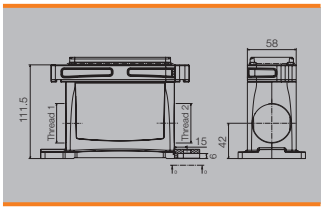
Bulkhead housing

Version	b (mm)	Type	Order No.
	21	HDC IP68 16B AS	1081530000



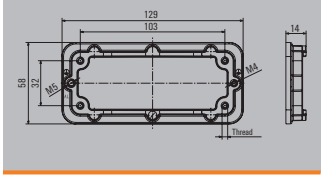
Base housing

Version	b (mm)	Type	Order No.
	111.5	HDC IP68 16B SS	1081340000
	111.5	HDC IP68 16B SS 1M32	1081350000
	111.5	HDC IP68 16B SS 2M32	1081390000
	111.5	HDC IP68 16B SS 1M40	1081360000
	111.5	HDC IP68 16B SS 2M40	1081370000
	111.5	HDC IP68 16B SS 1PG36	1081380000



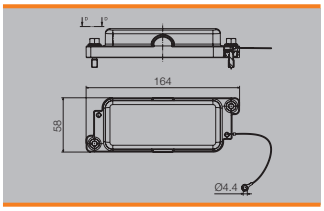
Counter-frame

Version	b (mm)	Type	Order No.
	14	HDC IP68 16B FRAME M6	1110910000



Cover

Version	Type	Order No.
	HDC IP68 16B COVER	1083080000



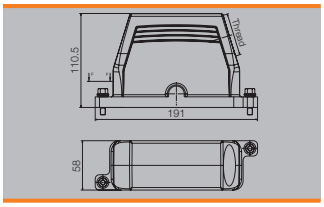
Screw locking

Size 8

Hood

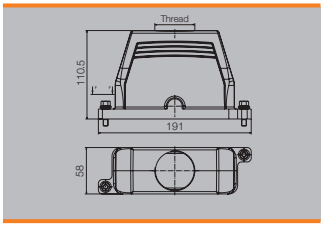
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread	110.5	HDC IP68 24B TSS 1M32	1082970000
w. thread	110.5	HDC IP68 24B TSS 1M40	1082980000
w. thread	110.5	HDC IP68 24B TSS 1M50	1082990000
w. thread	110.5	HDC IP68 24B TSS 1PG29	1083000000
w. thread	110.5	HDC IP68 24B TSS 1PG36	1083010000



Plug housing, cable entry at top

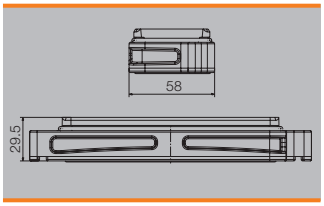
Version	b (mm)	Type	Order No.
w. thread	110.5	HDC IP68 24B TOS 3M25	1082960000
w. thread	110.5	HDC IP68 24B TOS 1M32	1082860000
w. thread	110.5	HDC IP68 24B TOS 2M32	1082940000
w. thread	110.5	HDC IP68 24B TOS 1M40	1082870000
w. thread	110.5	HDC IP68 24B TOS 2M40	1082950000
w. thread	110.5	HDC IP68 24B TOS 1M50	1082880000
w. thread	110.5	HDC IP68 24B TOS 2PG29	1082910000
w. thread	110.5	HDC IP68 24B TOS 2M40 TSS 1M32	1289130000



Base

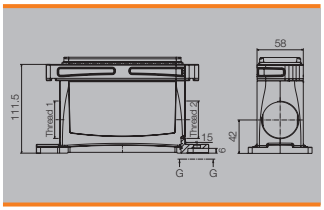
Bulkhead housing

Version	b (mm)	Type	Order No.
	29.5	HDC IP68 24B AS	1081540000



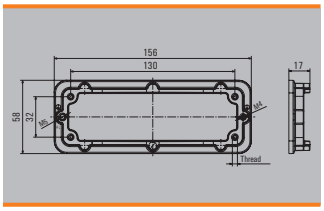
Base housing

Version	b (mm)	Type	Order No.
	111.5	HDC IP68 24B SS	1081450000
	111.5	HDC IP68 24B SS 1M40	1081410000
	111.5	HDC IP68 24B SS 2M40	1081420000
	111.5	HDC IP68 24B SS 1PG36	1081430000



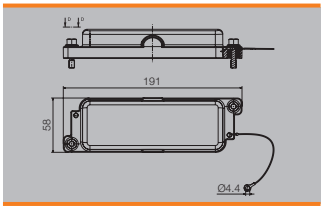
Counter-frame

Version	b (mm)	Type	Order No.
	17	HDC IP68 24B FRAME M6	1110920000



Cover

Version	Type	Order No.
	HDC IP68 24B COVER	1083090000



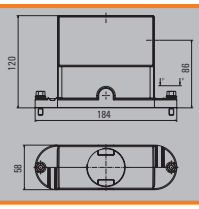
Screw locking

Size 8, XXL

Hood

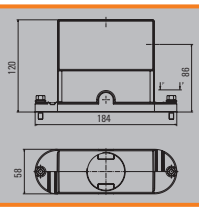
Plug housing, cable entry sideways

Version	b (mm)	Type	Order No.
w. thread	120	HDC HB 24 TEK TSS1XM40G	**1000920001**
w. thread	120	HDC HB 24 TEK TSS1XM50G	**1827160000**



Plug housing, cable entry at top

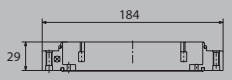
Version	b (mm)	Type	Order No.
w. thread	120	HDC HB 24 TEK TOS1XM50G	**1827170000**



Base

Bulkhead housing

Version	b (mm)	Type	Order No.
	29	HDC HB 24 TEK AS M4	**1827470000**



F

RockStar® Wall mounting housing IP66

RockStar® Wall mounting housing IP66

Introduction G.2

RockStar® Wall mounting housing IP66 G.4
Size 3, 4, 6 and 8

RockStar® Wall mounting housing IP66

Our RockStar® wall mounting housings made of polyamide are used wherever the focus is on weight, robustness and cost-effectiveness. We satisfy these requirements with a light plastic housing with an attached cable gland and screw interlock made of stainless steel. This housing can be connected directly on the panel wall thanks to simple attachment flanges. There is no need for a usual attachment housing.

RockStar® wall mounting housings are available in four sizes and can be combined with all fixed-pole and modular HDC inserts.

Areas of application for our RockStar® wall mounting housings include machinery and plant engineering, the automotive industry, panel building and wind power plants.

Flexible
The housing can be combined with all fixed-pole and modular HDC -RockStar® inserts

Practical
More cost effective thanks to the attached cable gland

Simple
The flange-mounted housing seals directly onto the panel wall without an attachment housing

RockStar® Wall mounting housing IP66

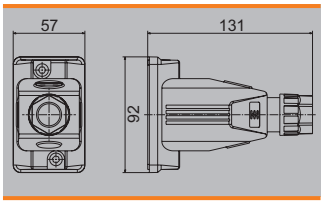
Wall mounting housing

Size 3

Hood

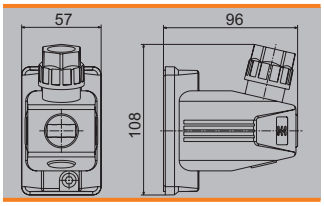
Cable entry at top

Version	b (mm)	Type	Order No.
w. cable glands	131	HDC 06B TOS 1M25 WMP	2716700000



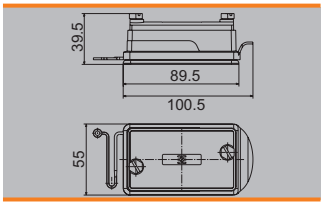
Cable entry sideways

Version	b (mm)	Type	Order No.
w. cable glands	96	HDC 06B TSS 1M25 WMP	2716750000



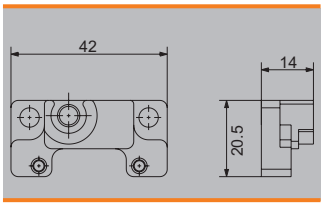
Cover

Version	Type	Order No.
	HDC 06B AF WM COVER	2716810000



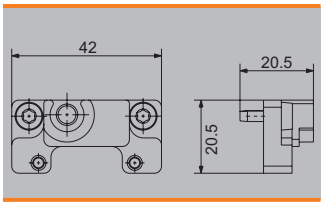
Mounting flange

Version	Type	Order No.
	HDC AF WM	2716790000



Mounting flange set with screw

Version	Type	Order No.
	HDC AF SET WM	2716800000



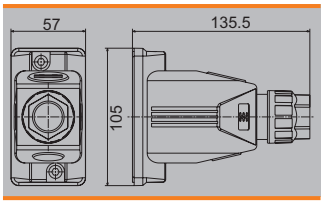
Wall mounting housing

Size 4

Hood

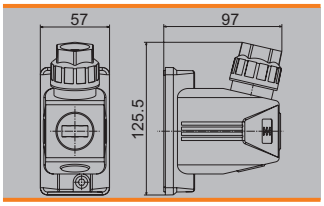
Cable entry at top

Version	b (mm)	Type	Order No.
w. cable glands	136	HDC 10B TOS 1M32 WMP	2716720000



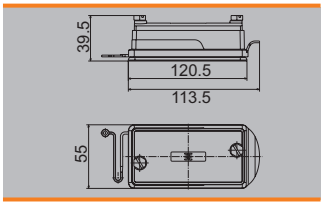
Cable entry sideways

Version	b (mm)	Type	Order No.
w. cable glands	97	HDC 10B TSS 1M32 WMP	2716760000



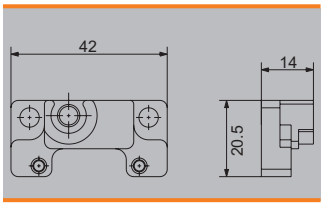
Cover

Version	Type	Order No.
	HDC 10B AF WM COVER	2716820000



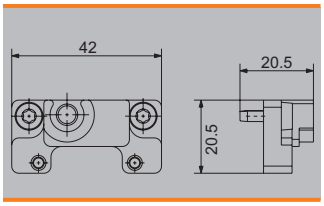
Mounting flange

Version	Type	Order No.
	HDC AF WM	2716790000



Mounting flange set with screw

Version	Type	Order No.
	HDC AF SET WM	2716800000



RockStar® Wall mounting housing IP66

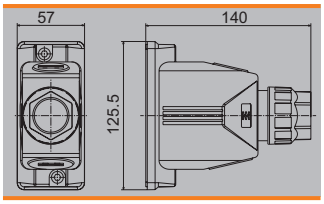
Wall mounting housing

Size 6

Hood

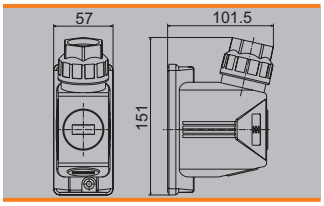
Cable entry at top

Version	b (mm)	Type	Order No.
w. cable glands	140	HDC 16B TOS 1M40 WMP	2716730000



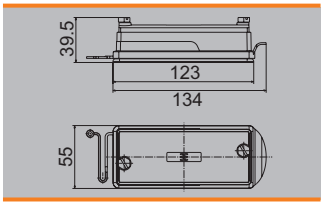
Cable entry sideways

Version	b (mm)	Type	Order No.
w. cable glands	102	HDC 16B TSS 1M40 WMP	2716770000



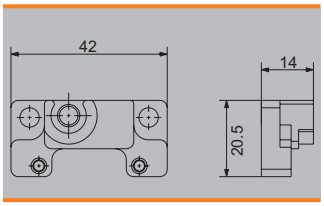
Cover

Version	Type	Order No.
	HDC 16B AF WM COVER	2716830000



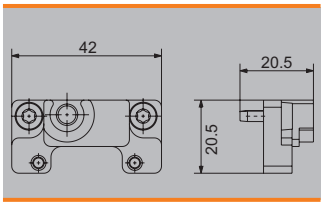
Mounting flange

Version	Type	Order No.
	HDC AF WM	2716790000



Mounting flange set with screw

Version	Type	Order No.
	HDC AF SET WM	2716800000



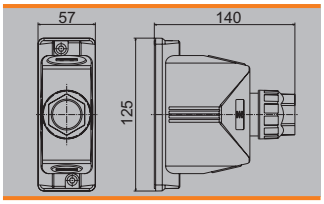
Wall mounting housing

Size 8

Hood

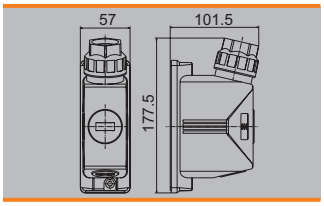
Cable entry at top

Version	b (mm)	Type	Order No.
w. cable glands		HDC 24B TOS 1M40 WMP	2716740000



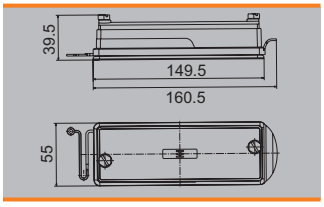
Cable entry sideways

Version	b (mm)	Type	Order No.
w. cable glands		HDC 24B TSS 1M40 WMP	2716780000



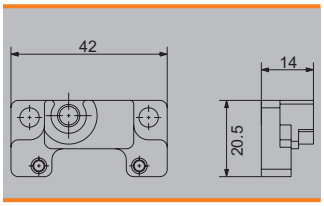
Cover

Version	Type	Order No.
	HDC 24B AF WM COVER	2716840000



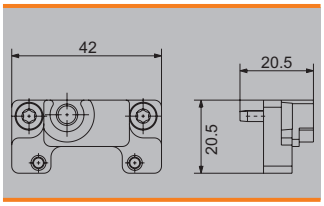
Mounting flange

Version	Type	Order No.
	HDC AF WM	2716790000



Mounting flange set with screw

Version	Type	Order No.
	HDC AF SET WM	2716800000



RockStar® HighPower

RockStar® HighPower

Introduction H.2

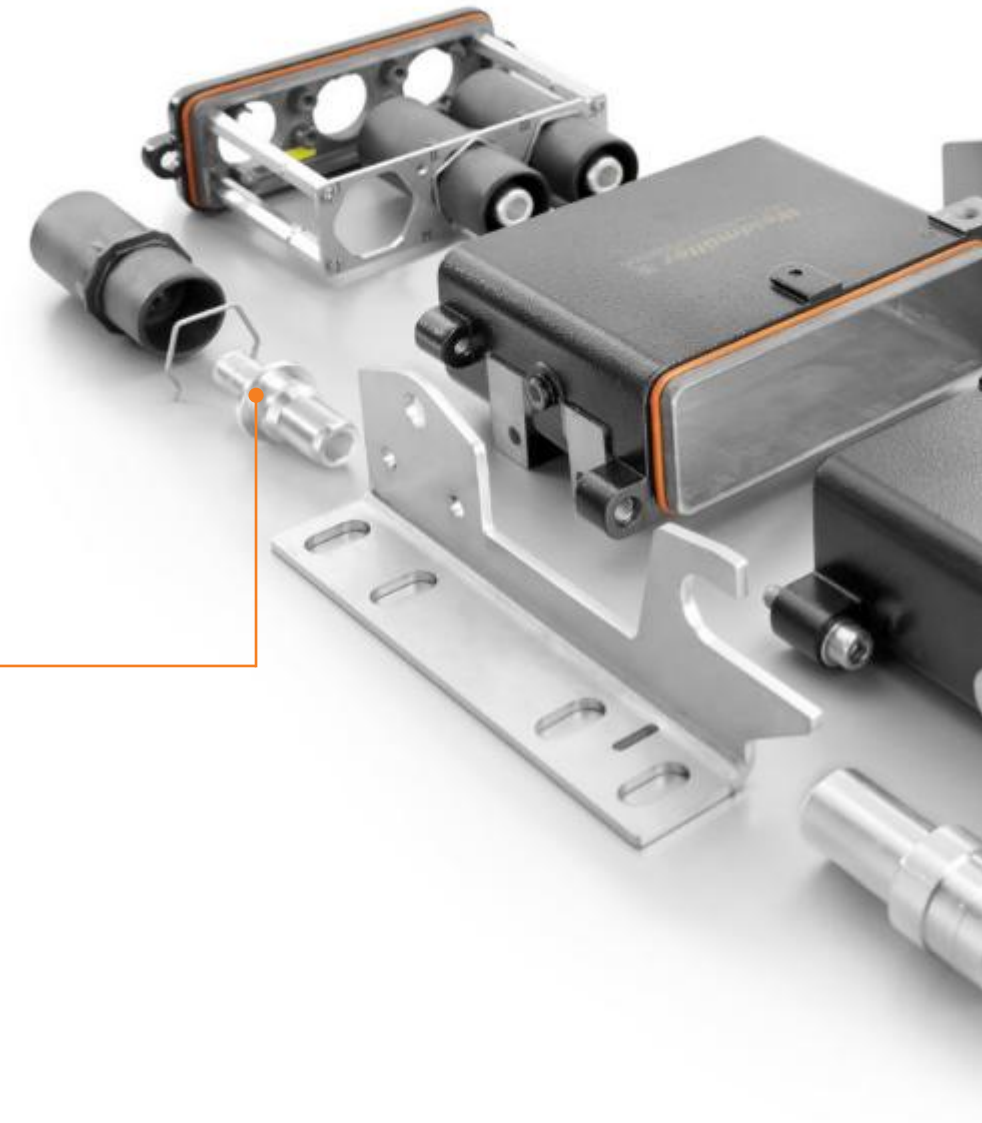
RockStar® HighPower 250 A H.4
250 A
1 – 4 poles

RockStar® HighPower 550 A H.10
550 A
1 – 3 poles

RockStar® HighPower

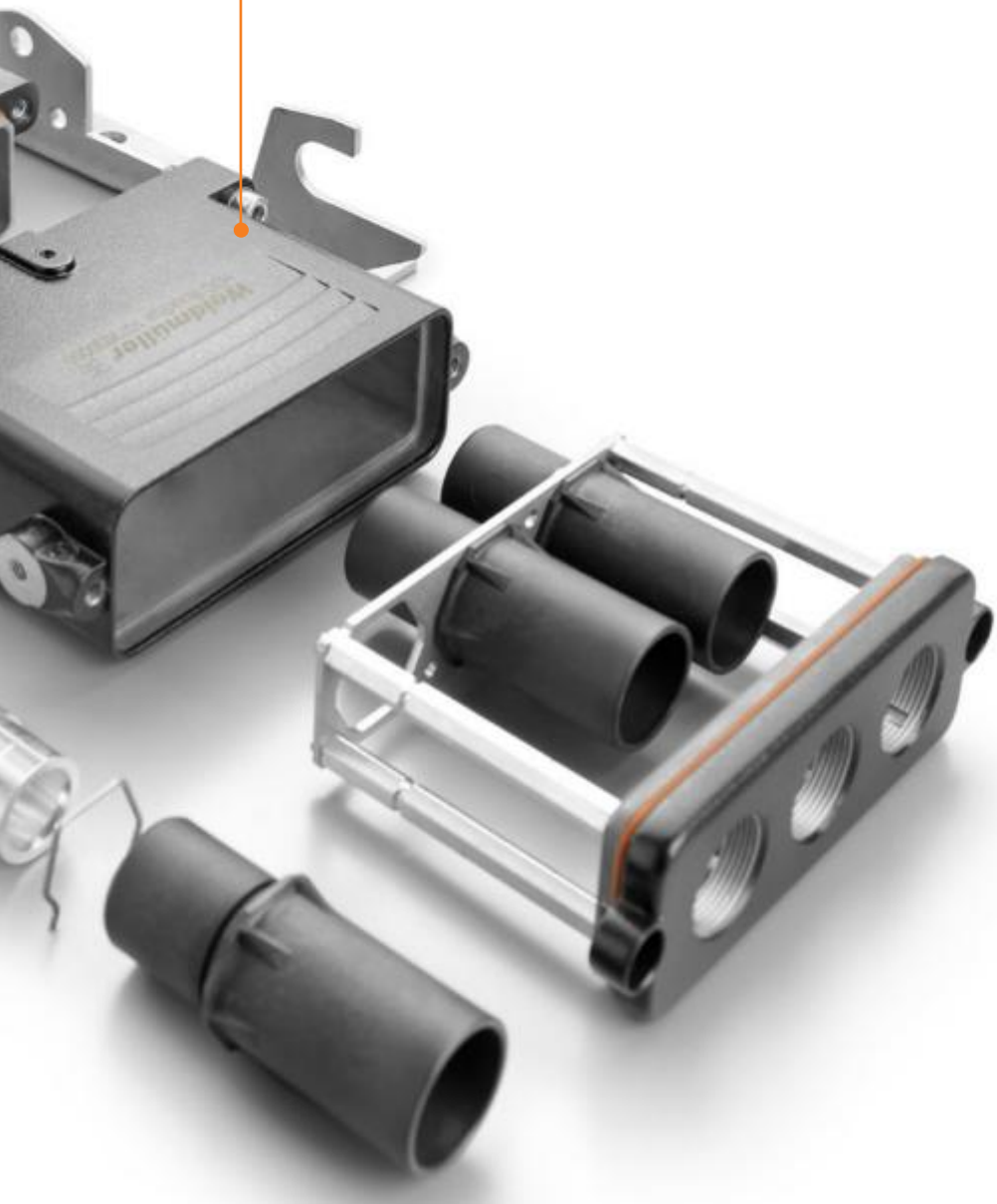
Uncompromising power – in clever and safe packaging. The RockStar® HighPower modular high-current connector system has been custom designed for the high demand applications. The modular set-up consists of one-piece crimp contacts, insulating sleeves, insert-holder frames and a robust multi-part die-cast aluminium enclosure in IP68, as well as cross-connection options.

This modular design offers clear advantages for handling: It is possible to wire crimped lines with large cross-sections and to see this process through to the final step. The wiring can be achieved using standard cable glands.



Safe
Tried-and-tested, low-maintenance crimp-connection technology with stranded, finely stranded and very finely stranded flexible copper conductors measuring up to 240 mm² with standardised tools

Practical and universal
A multitude of potential applications have been made pluggable for the first time ever – simply by integrating cross-connections.



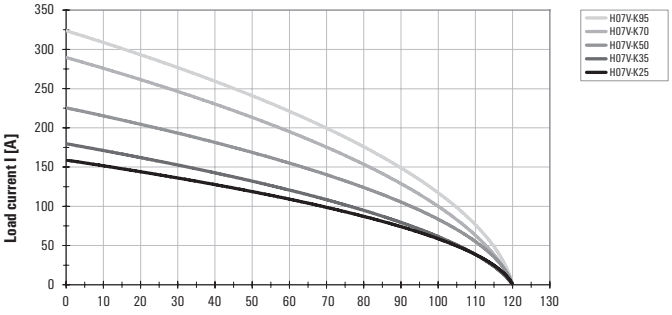
Perfectly optimised shielding
Along with the 360° contact, the shielding connection integrated in the enclosure is the cutting edge of what is technically feasible at present.

HighPower 250 A

RockStar® HighPower is designed to meet the strict standards set by DIN EN 61373 Cat. 2 (bogie mounting). The coordinated connector components provide you with a fail-safe and maintenance-free power transmission solution: in this case up to 250 A.

Technical data

HighPower 250 A series	
Standards	DIN EN 50124-1 In compliance with DIN EN 61984 DIN EN 50155 DIN EN 61373 KAT 2 (bogie mounting)
Number of contacts	1-, 2-, 3-, 4 poles
Wire connection method	Crimp
Rated current	250 A
Maximal operating voltage	2,300 V
Rated impulse voltage	
Wire – wire	25 kV
Wire – earthed housing	15 kV
Surge voltage category	OV 3
Pollution severity degree	PD 2
Material	
Insulating body	Polyamide
Contact	Copper alloy, silver plated
Flammability	
According to UL 94	V-0
According to NFF 16-101 / NFF 16-102	I3 F2
EN45545 Part 2	R22, R23 HL3
Insulation resistance	10^{10} Ω
Limit temperature	–55 °C to +120 °C
HDC IP68 HP 24B series	
Protection degree according to DIN EN 60529	IP68 when interlocked
Colour	RAL 9005 (black)
Surface finish	Powder coating
Locking element	
Screw interlock	M8
Material	Stainless steel, rust-proof
Torque	11 Nm
Housing seal	Silicone rubber
Temperature range	–50 °C to +120 °C
Material	
Housing	Die-cast aluminium alloy, corrosion resistant
Mounting bracket	Stainless steel, rust-proof
Accessories	
Material	
Assembly frame	Stainless steel, rust-proof
Touch-safe protection	PA66
Colour	
Assembly frame	Natural
Touch-safe protection	Orange
Cable gland	
Material	
Cable gland	Optional as nickel-plated brass or stainless steel
Seal insert	TPE T80
Temperature range	–40 ºC to +130 ºC
Class of protection	IP68
Note:	



HDC-HP250 in HDC-HP-Plus housing / 4 poles

H

Overview

	Size	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
	8	250 A	1 – 4				•		H.6

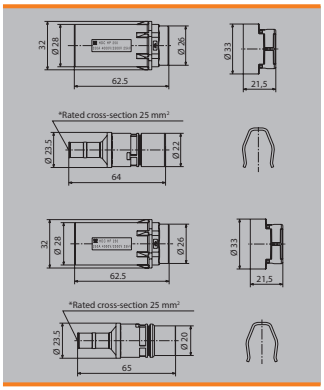
RockStar® HighPower 250 A

Crimp contacts

Crimp contact

Conductor cross-section	Pin Type	Order No.	Female Type	Order No.
25 mm²	HDC HP 250 M 25	1079690000	HDC HP 250 F 25	1079720000
35 mm²	HDC HP 250 M 35	1079680000	HDC HP 250 F 35	1079730000
50 mm²	HDC HP 250 M 50	1119080000	HDC HP 250 F 50	1079740000
70 mm²	HDC HP 250 M 70	1119090000	HDC HP 250 F 70	1079750000
95 mm²	HDC HP 250 M 95	1119100000	HDC HP 250 F 95	1079770000
Insulated PE contact				
50 mm²	HDC HP 250 M 50 PE	1220850000	HDC HP 250 F 50 PE	1220840000

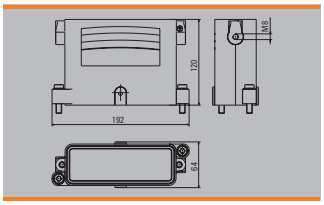
Note In the version described here, the crimp contacts can be used for crimp connections with flexible, stranded, and finely stranded copper wires (according to DIN 48201 part 1 and DIN 57 295 VDE 0295) or with crimping inserts (according to DIN 48083 part 1, part 3 and part 4). We would be glad to customise the crimp contact to fit your requirements.



Housing

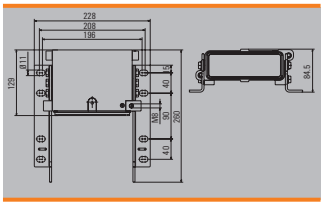
Plug housing

Version	Type	Order No.
Plug	HDC IP68 HP 24B TO	1079930000



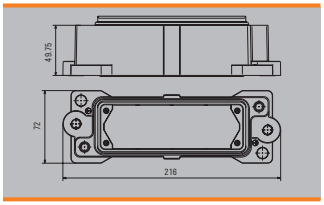
Base housing

Version	Type	Order No.
Base housing	HDC IP68 HP 24B AS S	1079920000



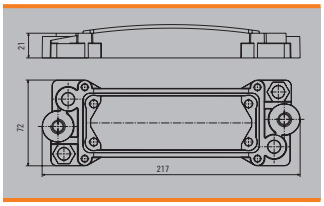
Bulkhead housing

Version	Type	Order No.
Bulkhead (feed-through)	HDC IP68 HP 24B A	1120040000



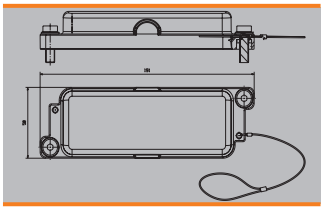
Counter-frame

Version	Type	Order No.
Counter-frame	HDC IP68 24B HP FRAME	1282820000



Cover for base & bulkhead

Version	Type	Order No.
	HDC IP68 24B COVER CS	1324500000



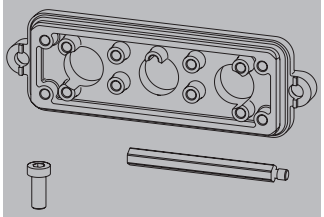
RockStar® HighPower 250 A

Housing

Mounting cover

Version	Cable entry	Number	Size	Type	Order No.
Cover				HDC IP68 24B MD	1119950000
Cover	w. thread	3	M 40	HDC IP68 24B MD 3M40	1119970000
Cover	w. thread	3	M 32	HDC IP68 24B MD 3M32	1119980000
Cover	w. thread	3	M 25	HDC IP68 24B MD 3M25	1079910000
Cover	w. thread	2	M 40	HDC IP68 24B MD 2M40	1119990000
Cover	w. thread	2	M 32	HDC IP68 24B MD 2M32	1120000000
Cover	w. thread	4	M 25	HDC IP68 24B MD 4M25 T1	1160450000
Cover	w. thread	2	M 25	HDC IP68 24B MD 2M25	1120010000
Cover	w. thread	4	M 25	HDC IP68 24B MD 4M25 T2	1220860000
Cover	w. thread	1	M 50	HDC IP68 HP 24B 1M50	2451460000
Cover	w. thread	1	M 63	HDC IP68 HP 24B 1M63	2473940000

Note Because of the asymmetric arrangement of the four threaded holes, the T1 version must be used on one side and the T2 version must be used on the other side.

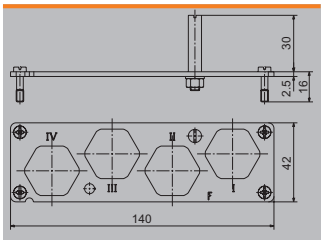


Accessories

Mounting frame

Installation size	Number of poles	Type	Order No.
3	1	HDC 06B HP250 MPL1	1103680000
8	2	HDC 24B HP250 MPL2 TYP1	1103690000
8	2	HDC 24B HP250 MPL2 TYP2	1103740000
8	3	HDC 24B HP250 MPL3 TYP1	1079640000
8	3	HDC 24B HP250 MPL3 TYP2	1103750000
8	4	HDC 24B HP250 MPL4 TYP1	1160430000
8	4	HDC 24B HP250 MPL4 TYP2	1160440000

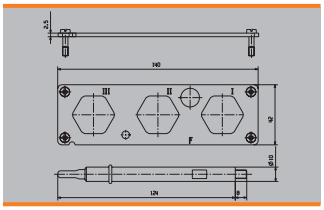
Note TYP1 = Female, TYP 2 = Male



Mounting frame set

Installation size	Number of poles	Type	Order No.
8	3	HDC HP 250 SSF BO SET	2008220000
8	3	HDC HP 250 SSM BO SET	2008210000

Note Low resistance current transmission



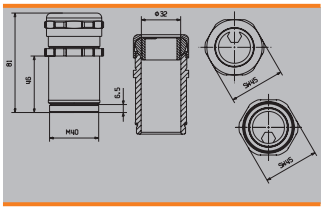
Cable glands

Thread	Basic material	Cable diameter	Type	Order No.
M 25	Brass, nickel-plated	11...20 mm	VGM25-MS68 11-20 BG	1193600000
M 32	Brass, nickel-plated	15...25 mm	VGM32-MS68 15-25 BG	1193610000
M 40	Brass, nickel-plated	20...32 mm	VGM40-MS68 20-32 BG	1193620000
M 25	Stainless steel 1.4305 (303)	11...20 mm	VGM25-SS68 11-20 BG	1193570000
M 32	Stainless steel 1.4305 (303)	15...25 mm	VGM32-SS68 15-25 BG	1193580000
M 40	Stainless steel 1.4305 (303)	20...32 mm	VGM40-SS68 20-32 BG	1193590000

Note When using mounting covers with 3 X M 40 cable input threads, the elongated version must be used for the cable gland in the middle.
Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: catalog.weidmueller.com

Cable glands, elongated version

Thread	Basic material	Cable diameter	Type	Order No.
M 40	Stainless steel 1.4305 (303)	20...32 mm	VGM40/1-SS68 20-32 BG	1205920000
M 40	Brass, nickel-plated	20...32 mm	VGM40/1-MS68 20-32 BG	1205890000



RockStar® HighPower 250 A

Accessories

EMC shield connection

Version	Type	Order No.
	VGM25-MS68 EMC 11-20SET	1463720000
	VGM32-MS68 EMC 15-25SET	1463730000
	VGM40-MS68 EMC 20-32SET	2457660000
	VGM40L-MS68EMC 20-32SET	2498320000

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Mounting tool

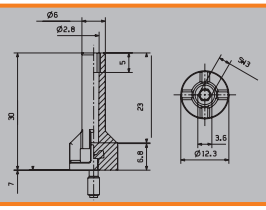
Version	Type	Order No.
	HDC FBS TOOL 13-50	8000015137

Note Spring band clamp installation tool for HighPower shield connections

Touch-safe protection set

Version	Type	Order No.
	HDC HP 250 SHOCKPROTEC	1120130000

Note For use with HighPower 250 A female contacts



Crimping tools

EPG 45 hydraulic battery crimping tool

	Type	Order No.
	EPG 45	1500830000

Hexagonal crimp inserts for EPG 45

Code no.	CU mm²	Crimping width	Type	Order No.
5	6	7	ES EPG 45 HEX 6	1500930000
6/16	10/70	7/5	ES EPG 45 HEX 10/70	1500940000
8/12	16/35	12/10	ES EPG 45 HEX 16/35	1500950000
10/14	25/50	12/5	ES EPG 45 HEX 25/50	1500970000
18	95	5	ES EPG 45 HEX 95	1500980000
20	120	5	ES EPG 45 HEX 120	1500990000
22	150	5	ES EPG 45 HEX 150	1994540000

RockStar® HighPower 250 A

Crimping tools

APG 80 hydraulic battery crimping tool

	Type	Order No.
	APG 80	1502390000

Hexagonal crimp inserts for APG 80

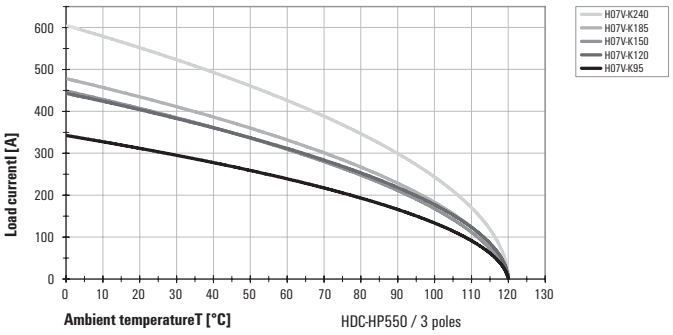
Code no.	CU mm²	Crimping width	Type	Order No.
5	6	7	ES APG 80 HEX 6	1502600000
6	10	7	ES APG 80 HEX 10	1502620000
8	16	12	ES APG 80 HEX 16	1502630000
10	25	12	ES APG 80 HEX 25	1502640000
12	35	12	ES APG 80 HEX 35	1502650000
14	50	12	ES APG 80 HEX 50	1502670000
16	70	12	ES APG 80 HEX 70	1502680000
18	95	10	ES APG 80 HEX 95	1502690000
20	120	10	ES APG 80 HEX 120	1502700000
22	150	5	ES APG 80 HEX 150	1502720000
25	185	5	ES APG 80 HEX 185	1502730000
28	240	5	ES APG 80 HEX 240	1502740000
32	300	7	ES APG 80 HEX 300	1502750000

HighPower 550 A

RockStar® HighPower is designed to meet the strict standards set by DIN EN 61373 Cat. 2 (bogie mounting). The coordinated connector components provide you with a fail-safe and maintenance-free power transmission solution: in this case up to 550 A.

Technical data

HighPower 550 A sereis	
Standards	DIN EN 50124-1 In compliance with DIN EN 61984 DIN EN 50155 DIN EN 61373 KAT 2 (bogie mounting)
Number of contacts	1-, 2-, 3 poles
Wire connection method	Crimp
Rated current	550 A
Maximal operating voltage	3,000 V
Rated impulse voltage	
Wire – wire	25 kV
Wire – earthed housing	15 kV
Surge voltage category	OV 3
Pollution severity degree	PD 2
Material	
Insulating body	Polyamide
Contact	Copper alloy, silver plated
Flammability	
According to UL 94	V-0
According to NFF 16-101 / NFF 16-102	I3 F2
Insulation resistance	10^{10} Ω
Limit temperature	–55 °C to +120 °C
HDC IP68 HP 24B series	
Protection degree according to DIN EN 60529	IP68 when interlocked
Colour	RAL 9005 (black)
Surface finish	Powder coating
Locking element	
Screw interlock	M8
Material	Stainless steel, rust-proof
Torque	11 Nm
Housing seal	Silicone rubber
Temperature range	–50 °C to +120 °C
Material	
Housing	Die-cast aluminium alloy, corrosion resistant
Mounting bracket	Stainless steel, rust-proof
Accessories	
Material	
Assembly frame	Stainless steel, rust-proof
Touch-safe protection	PA66
Colour	
Assembly frame	Natural
Touch-safe protection	Orange
Cable gland	
Material	
Cable gland	Optional as nickel-plated brass or stainless steel
Seal insert	TPE T80
Temperature range	–40 °C to +130 °C
Class of protection	IP68
Note:	



Overview

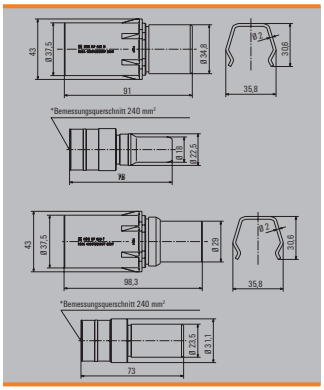
	Size	Rated current	No. of poles	Tension clamp connection	TOP connection	Screw conn. with wire guard spring	Crimp connection	PUSH IN connection	Page
	8	550 A	1 – 3				•		H.12

RockStar® HighPower 550 A

Crimp contacts

Crimp contact

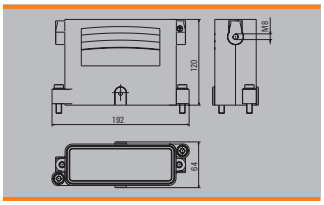
Conductor cross-section	Pin Type	Order No.	Female Type	Order No.
25 mm²	HDC HP 550 M 25	1220580000	HDC HP 550 F 25	1220570000
50 mm²	HDC HP 550 M 50	1157800000	HDC HP 550 F 50	1177100000
70 mm²	HDC HP 550 M 70	1268810000	HDC HP 550 F 70	1268820000
95 mm²	HDC HP 550 M 95	1079790000	HDC HP 550 F 95	1079810000
120 mm²	HDC HP 550 M 120	1079780000	HDC HP 550 F 120	1079820000
150 mm²	HDC HP 550 M 150	1119110000	HDC HP 550 F 150	1079830000
185 mm²	HDC HP 550 M 185	1120580000	HDC HP 550 F 185	1079840000
240 mm²	HDC HP 550 M 240	1120590000	HDC HP 550 F 240	1120600000



Housing

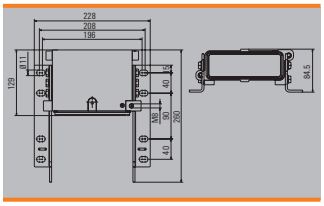
Plug housing

Version	Type	Order No.
Plug	HDC IP68 HP 24B TO	1079930000



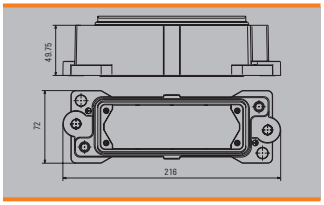
Base housing

Version	Type	Order No.
Base housing	HDC IP68 HP 24B AS S	1079920000



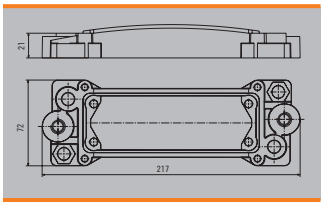
Bulkhead housing

Version	Type	Order No.
Bulkhead (feed-through)	HDC IP68 HP 24B A	1120040000



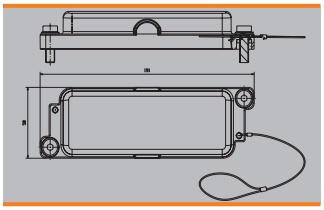
Counter-frame

Version	Type	Order No.
Counter-frame	HDC IP68 24B HP FRAME	1282820000



Cover for base & bulkhead

Version	Type	Order No.
	HDC IP68 24B COVER CS	1324500000



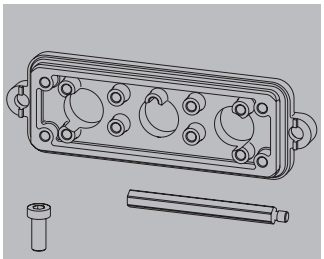
RockStar® HighPower 550 A

Housing

Mounting cover

Version	Cable entry	Number	Size	Type	Order No.
Cover				HDC IP68 24B MD	1119950000
Cover	w. thread	3	M 40	HDC IP68 24B MD 3M40	1119970000
Cover	w. thread	3	M 32	HDC IP68 24B MD 3M32	1119980000
Cover	w. thread	3	M 25	HDC IP68 24B MD 3M25	1079910000
Cover	w. thread	2	M 40	HDC IP68 24B MD 2M40	1119990000
Cover	w. thread	2	M 32	HDC IP68 24B MD 2M32	1120000000
Cover	w. thread	2	M 25	HDC IP68 24B MD 2M25	1120010000
Cover	w. thread	1	M 50	HDC IP68 HP 24B 1M50	2451460000
Cover	w. thread	1	M 63	HDC IP68 HP 24B 1M63	2473940000

Note Because of the asymmetric arrangement of the four threaded holes, the T1 version must be used on one side and the T2 version must be used on the other side.

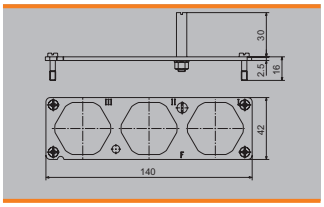


Accessories

Mounting frame

Installation size	Number of poles	Type	Order No.
8	2	HDC 24B HP550 MPL2 TYP1	1103710000
8	2	HDC 24B HP550 MPL2 TYP2	1103770000
8	3	HDC 24B HP550 MPL3 TYP1	1103720000
8	3	HDC 24B HP550 MPL3 TYP2	1103780000

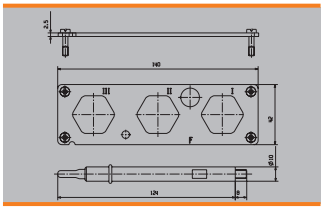
Note TYP1 = Female, TYP2 = Male



Mounting frame set

Installation size	Number of poles	Type	Order No.
8	3	HDC HP 550 SSM SET	1987920000
8	3	HDC HP 550 SSF SET	1987950000
8	2	HDC HP 550 SSF 2 SET	3118130000
8	2	HDC HP 550 SSM 2 SET	3118140000

Note Low resistance screen transmission



Cable gland

Thread	Basic material	Cable diameter	Type	Order No.
M 25	Brass, nickel-plated	11...20 mm	VGM25-MS68 11-20 BG	1193600000
M 32	Brass, nickel-plated	15...25 mm	VGM32-MS68 15-25 BG	1193610000
M 40	Brass, nickel-plated	20...32 mm	VGM40-MS68 20-32 BG	1193620000
M 25	Stainless steel 1.4305 (303)	11...20 mm	VGM25-SS68 11-20 BG	1193570000
M 32	Stainless steel 1.4305 (303)	15...25 mm	VGM32-SS68 15-25 BG	1193580000
M 40	Stainless steel 1.4305 (303)	20...32 mm	VGM40-SS68 20-32 BG	1193590000

Note When using mounting covers with 3 X M 40 cable input threads, the elongated version must be used for the cable gland in the middle.
Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: catalog.weidmueller.com

EMC shield connection

Version	Type	Order No.
	VGM25-MS68 EMC 11-20SET	1463720000
	VGM32-MS68 EMC 15-25SET	1463730000
	VGM40-MS68 EMC 20-32SET	2457660000
	VGM40L-MS68EMC 20-32SET	2498320000

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Mounting tool

Version	Type	Order No.
	HDC FBS TOOL 13-50	8000015137

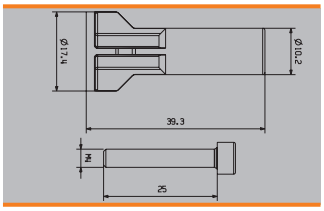
Note Spring band clamp installation tool for HighPower shield connections

RockStar® HighPower 550 A

Touch-safe protection set

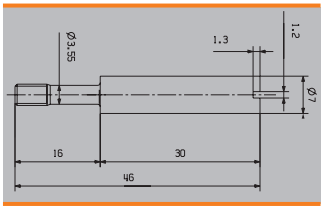
Version	Type	Order No.
	HDC HP 550 SHOCKPROTEC	1120140000

Note	For use with HighPower 550 A female contacts



Coding pin

Version	Type	Order No.
Pin	HDC HP CODING SYSTEM	1160780000

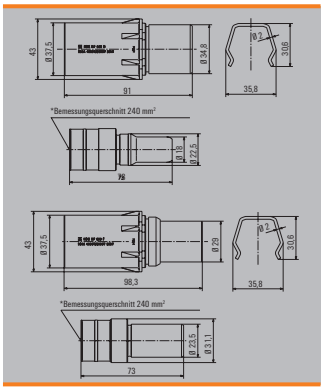


RockStar® HighPower 550 A

Crimp contacts

Crimp contact

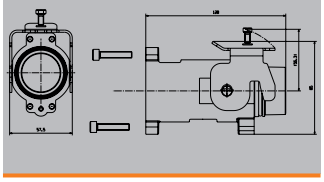
Conductor cross-section	Pin Type	Order No.	Female Type	Order No.
25 mm²	HDC HP 550 M 25	1220580000	HDC HP 550 F 25	1220570000
50 mm²	HDC HP 550 M 50	1157800000	HDC HP 550 F 50	1177100000
70 mm²	HDC HP 550 M 70	1268810000	HDC HP 550 F 70	1268820000
95 mm²	HDC HP 550 M 95	1079790000	HDC HP 550 F 95	1079810000
120 mm²	HDC HP 550 M 120	1079780000	HDC HP 550 F 120	1079820000
150 mm²	HDC HP 550 M 150	1119110000	HDC HP 550 F 150	1079830000
185 mm²	HDC HP 550 M 185	1120580000	HDC HP 550 F 185	1079840000
240 mm²	HDC HP 550 M 240	1120590000	HDC HP 550 F 240	1120600000



Housing

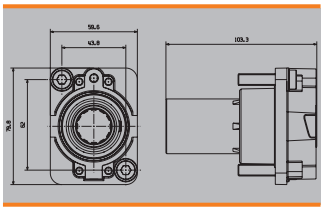
Plug housing

Version	Type	Order No.
	HDC HP550 STGH CR 1P	2568600000



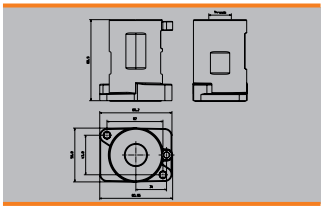
Bulkhead housing

Version	Type	Order No.
	HDC HP550 ABGH CR 1P	2568530000



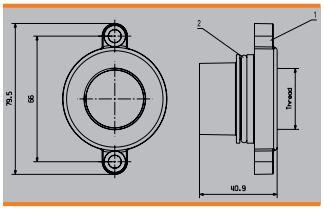
Backpanel

Version	Type	Order No.
	HDC HP550 ABGR CR 1P M20	2599940000
	HDC HP550 ABGR CR 1P M25	2599930000
	HDC HP550 ABGR CR 1P M32	2599920000
	HDC HP550 ABGR CR 1P M40	2599910000
	HDC HP550 ABGR CR 1P PG36	2568560000



Threaded cover / cable inlet adapter

Version	Type	Order No.
	HDC HP550 GHDE CR 1P M20	2599840000
	HDC HP550 GHDE CR 1P M25	2599810000
	HDC HP550 GHDE CR 1P M32	2599790000
	HDC HP550 GHDE CR 1P M40	2599770000
	HDC HP550 GHDE CR 1P PG36	2568630000

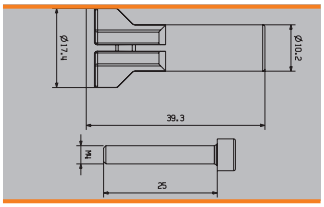


Accessories

Touch-safe protection set

Version	Type	Order No.
	HDC HP 550 SHOCKPROTEC	1120140000

Note	For use with HighPower 550 A female contacts



RockStar® HighPower 550 A

Crimping tools

EPG 45 hydraulic battery crimping tool

Type	Order No.
EPG 45	1500830000

Hexagonal crimp inserts for EPG 45

Code no.	CU mm²	Crimping width	Type	Order No.
5	6	7	ES EPG 45 HEX 6	1500930000
6/16	10/70	7/5	ES EPG 45 HEX 10/70	1500940000
8/12	16/35	12/10	ES EPG 45 HEX 16/35	1500950000
10/14	25/50	12/5	ES EPG 45 HEX 25/50	1500970000
18	95	5	ES EPG 45 HEX 95	1500980000
20	120	5	ES EPG 45 HEX 120	1500990000
22	150	5	ES EPG 45 HEX 150	1994540000

APG 80 hydraulic battery crimping tool

Type	Order No.
APG 80	1502390000

Hexagonal crimp inserts for APG 80

Code no.	CU mm²	Crimping width	Type	Order No.
5	6	7	ES APG 80 HEX 6	1502600000
6	10	7	ES APG 80 HEX 10	1502620000
8	16	12	ES APG 80 HEX 16	1502630000
10	25	12	ES APG 80 HEX 25	1502640000
12	35	12	ES APG 80 HEX 35	1502650000
14	50	12	ES APG 80 HEX 50	1502670000
16	70	12	ES APG 80 HEX 70	1502680000
18	95	10	ES APG 80 HEX 95	1502690000
20	120	10	ES APG 80 HEX 120	1502700000
22	150	5	ES APG 80 HEX 150	1502720000
25	185	5	ES APG 80 HEX 185	1502730000
28	240	5	ES APG 80 HEX 240	1502740000
32	300	7	ES APG 80 HEX 300	1502750000

RockStar® Kits

RockStar® Kits

Introduction I.2

RockStar® Kits with HA inserts I.4
400 V
16 A
3 – 4 poles

RockStar® Kits with HE inserts I.12
500 V
16 A
6 – 48 poles

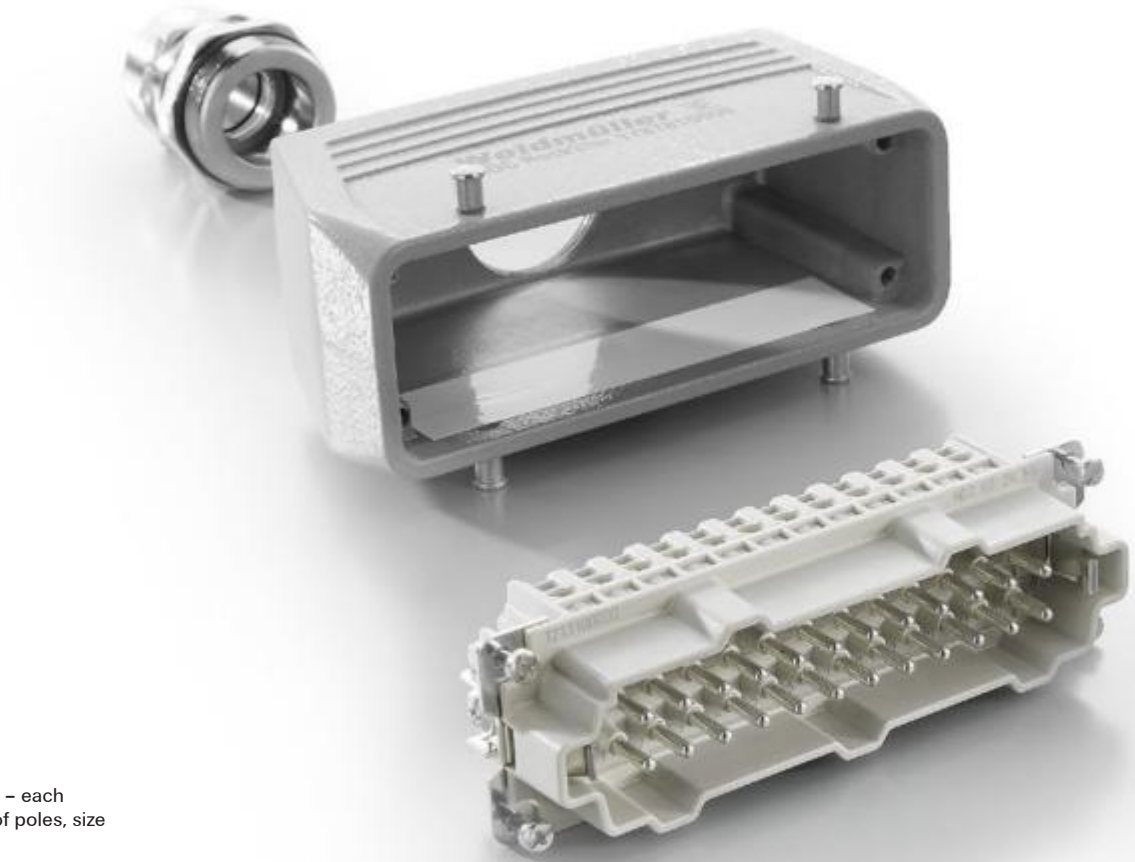
RockStar® Kits with HSB inserts I.32
400 V
35 A
6 poles

RockStar® Kits

RockStar® kits are sets consisting of all components necessary for assembling a heavy-duty connector. The kit includes the male and female inserts, the plug housing, the bulkhead housing and the cable gland.

The benefits for you:

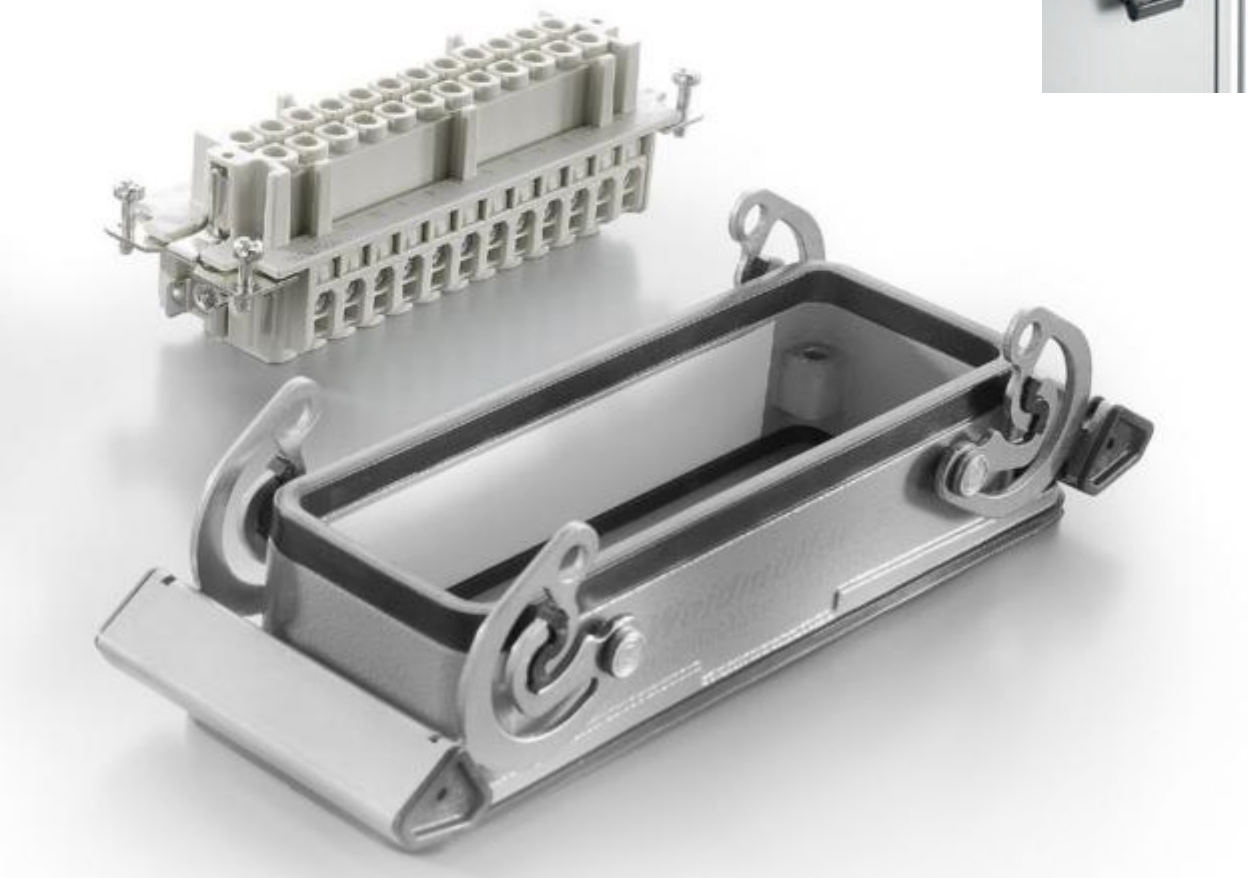
- Easy to purchase – only one ordered part for all items
- Easy to use – just one package with no individual parts
- Wide variety – we'll put together a customised kit for whichever components you need.



Easy to choose
All components at a single glance – each matched to the required number of poles, size and wire connection method

Easy to stock
Only one package is needed for the complete connector. The RockStar® kits simplify your logistics.

Easy to install
You only need a screwdriver to install the connector in the field.



RockStar® Kits with HA inserts, 3 pole

400 V, 16 A, Size 1

Metric versions

	Type	Order No.
	HDC-KIT-HA 03.300 M	1802470000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

	Type	Order No.
	HDC-KIT-HA 03.301 M	1802460000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M20-1/K68	1772300000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 03.302 M	1802450000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

	Type	Order No.
	HDC-KIT-HA 03.300 M P	3123910000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Diecast aluminium

400 V, 16 A, Size 1

Metric versions

	Type	Order No.
	HDC-KIT-HA 03.301 M P	3123920000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M25 - MS 68	1772230000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 03.302 M P	3123930000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Diecast aluminium

400 V, 16 A, Size 1

PG versions

	Type	Order No.
	HDC-KIT-HA 03.300	1712560000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Metal housing

	Type	Order No.
	HDC-KIT-HA 03.301	1712570000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 03.302	1712580000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Metal housing

	Type	Order No.
	HDC-KIT-HA 03.403	1712630000

Part	Type	Order No.
Socket connector	HDC HA 3 FS	1498200000
Plug	HDC HA 3 MS	1498100000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

400 V, 16 A, Size 1

PG versions

	Type	Order No.
	HDC-KIT-HA 03.300 P	3123850000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 03.301 P	3123880000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 03.302 P	3123890000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 03.304 P	3123900000

Part	Type	Order No.
Socket connector	HDC HA 3 FP	2985550000
Plug	HDC HA 3 MP	2985540000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

400 V, 16 A, Size 1

Metric versions

	Type	Order No.
	HDC-KIT-HA 04.400 M	1802440000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

	Type	Order No.
	HDC-KIT-HA 04.401 M	1802430000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M20-1/K68	1772300000

Plastic housing

	Type	Order No.
	HDC KIT HA 04.402 M	1802700000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

	Type	Order No.
	HDC KIT HA 04.406 M	1802720000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M20-1/K68	1772300000

Plastic housing

400 V, 16 A, Size 1

Metric versions

	Type	Order No.
	HDC-KIT-HA 04.400 M P	3123980000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 04.401 M P	3124000000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M20-1/K68	1772300000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 04.402 M P	3124010000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1M20G	1788820000
Cable glands	VG M20 - MS 68	1772220000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 04.406 M P	3124020000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1M20G	1788520000
Cable glands	VG M20-1/K68	1772300000

Plastic housing

400 V, 16 A, Size 1

PG versions

	Type	Order No.
	HDC-KIT-HA 04.400	1712590000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Metal housing

	Type	Order No.
	HDC-KIT-HA 04.401	1712600000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 07A ALU	1652410000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 04.402	1712610000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Metal housing

	Type	Order No.
	HDC-KIT-HA 04.406	1712650000

Part	Type	Order No.
Socket connector	HDC HA 4 FS	1498400000
Plug	HDC HA 4 MS	1498300000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

400 V, 16 A, Size 1

PG versions

	Type	Order No.
	HDC-KIT-HA 04.400 P	3123940000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 04.401 P	3123950000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 04A ALU	1497600000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

	Type	Order No.
	HDC-KIT-HA 04.402 P	3123960000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 04A AWLU	1497700000
Plug housing	HDC 04A TOLU 1PG11G	1652470000
Cable glands	VG 11-MS68	1569080000

Diecast aluminium

	Type	Order No.
	HDC-KIT-HA 04.406 P	3123970000

Part	Type	Order No.
Socket connector	HDC HA 4 FP	2985440000
Plug	HDC HA 4 MP	2985430000
Bulkhead (feed-through)	HDC 07A AWLU	1652420000
Plug housing	HDC 07A TOLU 1PG11G	1652380000
Cable glands	VG 11-K68	1568990000

Plastic housing

500 V, 24 A, Size 3

Metric versions

	Type	Order No.
	HDC KIT HE 06.100 M	1802730000

Part	Type	Order No.
Socket connector	HDC HE 6 FS	1200200000
Plug	HDC HE 6 MS	1200000000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TSLU 1M20G	1788100000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

	Type	Order No.
	HDC KIT HE 06.101 M	1802740000

Part	Type	Order No.
Socket connector	HDC HE 6 FS	1200200000
Plug	HDC HE 6 MS	1200000000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TOLU 1M20G	1788120000
Cable glands	VG M20 - MS 68	1772220000

Metal housing

500 V, 24 A, Size 3

PG versions

	Type	Order No.
	HDC-KIT-HE 06.100	1712460000

Part	Type	Order No.
Socket connector	HDC HE 6 FS	1200200000
Plug	HDC HE 6 MS	1200000000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TSLU 1PG16G	1652520000
Cable glands	VG 16-MS68	1569100000

Metal housing

	Type	Order No.
	HDC-KIT-HE 06.101	1712660000

Part	Type	Order No.
Socket connector	HDC HE 6 FS	1200200000
Plug	HDC HE 6 MS	1200000000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TOLU 1PG16G	1652640000
Cable glands	VG 16-MS68	1569100000

Metal housing

500 V, 24 A, Size 3

metric versions

	Type	Order No.
	HDC KIT HE-P 06.10 M	1027650000

Part	Type	Order No.
Socket connector	HDC HE 6 FP	1873520000
Plug	HDC HE 6 MP	1873530000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TSLU 1M20G	1788100000
Cable glands	VG M20 - MS 68	1772220000

Metal housings

	Type	Order No.
	HDC KIT HE-P 06.11 M	1061720000

Part	Type	Order No.
Socket connector	HDC HE 6 FP	1873520000
Plug	HDC HE 6 MP	1873530000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TOLU 1M20G	1788120000
Cable glands	VG M20 - MS 68	1772220000

Metal housings

500 V, 24 A, Size 3

PG versions

	Type	Order No.
	HDC KIT HE-P 06.10	1027660000

Part	Type	Order No.
Socket connector	HDC HE 6 FP	1873520000
Plug	HDC HE 6 MP	1873530000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TSLU 1PG16G	1652520000
Cable glands	VG 16-MS68	1569100000

Metal housings

	Type	Order No.
	HDC KIT HE-P 06.11	1061710000

Part	Type	Order No.
Socket connector	HDC HE 6 FP	1873520000
Plug	HDC HE 6 MP	1873530000
Bulkhead (feed-through)	HDC 06B ALU	1202100000
Plug housing	HDC 06B TOLU 1PG16G	1652640000
Cable glands	VG 16-MS68	1569100000

Metal housings

RockStar® Kits with HE inserts, 10 pole

500 V, 16 A, Size 4

Metric versions

	Type	Order No.
	HDC-KIT-HE 10.110 M	1802420000

Part	Type	Order No.
Socket connector	HDC HE 10 FS	1204100000
Plug	HDC HE 10 MS	1203900000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TSBU 1M25G	1787550000
Cable glands	VG M25 - MS 68	1772230000

Metal housing

	Type	Order No.
	HDC-KIT-HE 10.111 M	1802410000

Part	Type	Order No.
Socket connector	HDC HE 10 FS	1204100000
Plug	HDC HE 10 MS	1203900000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TOBU 1M25G	1787590000
Cable glands	VG M25 - MS 68	1772230000

Metal housing

500 V, 16 A, Size 4

PG versions

	Type	Order No.
	HDC-KIT-HE 10.110	1712510000

Part	Type	Order No.
Socket connector	HDC HE 10 FS	1204100000
Plug	HDC HE 10 MS	1203900000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TSBU 1PG16G	1654070000
Cable glands	VG 16-MS68	1569100000

Metal housing

	Type	Order No.
	HDC-KIT-HE 10.111	1712670000

Part	Type	Order No.
Socket connector	HDC HE 10 FS	1204100000
Plug	HDC HE 10 MS	1203900000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TOBU 1PG16G	1654220000
Cable glands	VG 16-MS68	1569100000

Metal housing

500 V, 16 A, Size 4

Metric versions

	Type	Order No.
	HDC KIT HE-P 10.110 M	1027670000

Part	Type	Order No.
Socket connector	HDC HE 10 FP	1873540000
Plug	HDC HE 10 MP	1873550000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TSBU 1M25G	1787550000
Cable glands	VG M25 - MS 68	1772230000

Metal housings

	Type	Order No.
	HDC KIT HE-P 10.111 M	1061740000

Part	Type	Order No.
Socket connector	HDC HE 10 FP	1873540000
Plug	HDC HE 10 MP	1873550000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TOBU 1M25G	1787590000
Cable glands	VG M25 - MS 68	1772230000

Metal housings

500 V, 16 A, Size 4

PG versions

	Type	Order No.
	HDC KIT HE-P 10.110	1027680000

Part	Type	Order No.
Socket connector	HDC HE 10 FP	1873540000
Plug	HDC HE 10 MP	1873550000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TSBU 1PG16G	1654070000
Cable glands	VG 16-MS68	1569100000

Metal housings

	Type	Order No.
	HDC KIT HE-P 10.111	1061730000

Part	Type	Order No.
Socket connector	HDC HE 10 FP	1873540000
Plug	HDC HE 10 MP	1873550000
Bulkhead (feed-through)	HDC 10B ABU	1205000000
Plug housing	HDC 10B TOBU 1PG16G	1654220000
Cable glands	VG 16-MS68	1569100000

Metal housings

500 V, 16 A, Size 6

Metric versions

	Type	Order No.
	HDC-KIT-HE 16.120 M	1802400000

Part	Type	Order No.
Socket connector	HDC HE 16 FS	1207700000
Plug	HDC HE 16 MS	1207500000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TSBU 1M25G	1788180000
Cable glands	VG M25 - MS 68	1772230000

Metal housing

	Type	Order No.
	HDC-KIT-HE 16.121 M	1802390000

Part	Type	Order No.
Socket connector	HDC HE 16 FS	1207700000
Plug	HDC HE 16 MS	1207500000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TOBU 1M25G	1788210000
Cable glands	VG M25 - MS 68	1772230000

Metal housing

500 V, 16 A, Size 6

PG versions

	Type	Order No.
	HDC-KIT-HE 16.120	1712520000

Part	Type	Order No.
Socket connector	HDC HE 16 FS	1207700000
Plug	HDC HE 16 MS	1207500000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TSBU 1PG21G	1656480000
Cable glands	VG 21-MS68	1569110000

Metal housing

	Type	Order No.
	HDC-KIT-HE 16.121	1712680000

Part	Type	Order No.
Socket connector	HDC HE 16 FS	1207700000
Plug	HDC HE 16 MS	1207500000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TOBU 1PG21G	1656590000
Cable glands	VG 21-MS68	1569110000

Metal housing

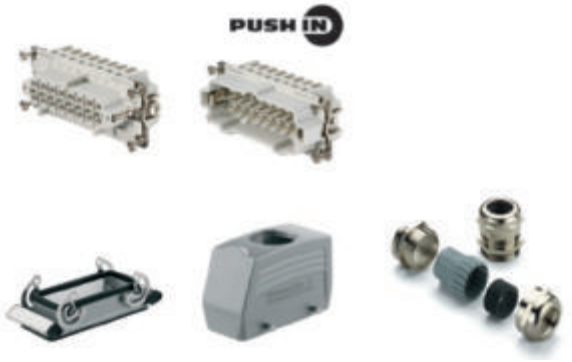
500 V, 16 A, Size 6

Metric versions

	Type	Order No.
	HDC KIT HE-P 16.120 M	1027690000

Part	Type	Order No.
Socket connector	HDC HE 16 FP	1873560000
Plug	HDC HE 16 MP	1873570000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TSBU 1M25G	1788180000
Cable glands	VG M25 - MS 68	1772230000

Metal housings



	Type	Order No.
	HDC KIT HE-P 16.121 M	1061770000

Part	Type	Order No.
Socket connector	HDC HE 16 FP	1873560000
Plug	HDC HE 16 MP	1873570000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TOBU 1M25G	1788210000
Cable glands	VG M25 - MS 68	1772230000

Metal housings

500 V, 16 A, Size 6

PG versions

	Type	Order No.
	HDC KIT HE-P 16.120	1027640000

Part	Type	Order No.
Socket connector	HDC HE 16 FP	1873560000
Plug	HDC HE 16 MP	1873570000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TSBU 1PG21G	1656480000
Cable glands	VG 21-MS68	1569110000

Metal housings

	Type	Order No.
	HDC KIT HE-P 16.121	1061750000

Part	Type	Order No.
Socket connector	HDC HE 16 FP	1873560000
Plug	HDC HE 16 MP	1873570000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TOBU 1PG21G	1656590000
Cable glands	VG 21-MS68	1569110000

Metal housings

500 V, 16 A, Size 8

Metric versions

	Type	Order No.
	HDC-KIT-HE 24.130 M	1802380000

Part	Type	Order No.
Socket connector	HDC HE 24 FS	1211300000
Plug	HDC HE 24 MS	1211100000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TSBU 1M32G	1787750000
Cable glands	VG M32 - MS 68	1772240000

Metal housing

	Type	Order No.
	HDC-KIT-HE 24.131 M	1802480000

Part	Type	Order No.
Socket connector	HDC HE 24 FS	1211300000
Plug	HDC HE 24 MS	1211100000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TOBU 1M32G	1787810000
Cable glands	VG M32 - MS 68	1772240000

Metal housing

500 V, 16 A, Size 8

PG versions

	Type	Order No.
	HDC-KIT-HE 24.130	1712530000

Part	Type	Order No.
Socket connector	HDC HE 24 FS	1211300000
Plug	HDC HE 24 MS	1211100000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TSBU 1PG21G	1661230000
Cable glands	VG 21-MS68	1569110000

Metal housing

	Type	Order No.
	HDC-KIT-HE 24.131	1712690000

Part	Type	Order No.
Socket connector	HDC HE 24 FS	1211300000
Plug	HDC HE 24 MS	1211100000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TOBU 1PG21G	1661370000
Cable glands	VG 21-MS68	1569110000

Metal housing

500 V, 16 A, Size 8

Metric versions

	Type	Order No.
	HDC KIT HE-P 24.130 M	1061790000

Part	Type	Order No.
Socket connector	HDC HE 24 FP	1873580000
Plug	HDC HE 24 MP	1873590000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TSBU 1M32G	1787750000
Cable glands	VG M32 - MS 68	1772240000

Metal housings

	Type	Order No.
	HDC KIT HE-P 24.131 M	1061700000

Part	Type	Order No.
Socket connector	HDC HE 24 FP	1873580000
Plug	HDC HE 24 MP	1873590000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TOBU 1M32G	1787810000
Cable glands	VG M32 - MS 68	1772240000

Metal housings

500 V, 16 A, Size 8

PG versions

	Type	Order No.
	HDC KIT HE-P 24.130	1061780000

Part	Type	Order No.
Socket connector	HDC HE 24 FP	1873580000
Plug	HDC HE 24 MP	1873590000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TSBU 1PG21G	1661230000
Cable glands	VG 21-MS68	1569110000

Metal housings

	Type	Order No.
	HDC KIT HE-P 24.131	1061800000

Part	Type	Order No.
Socket connector	HDC HE 24 FP	1873580000
Plug	HDC HE 24 MP	1873590000
Bulkhead (feed-through)	HDC 24B ABU	1212400000
Plug housing	HDC 24B TOBU 1PG21G	1661370000
Cable glands	VG 21-MS68	1569110000

Metal housings

RockStar® Kits with HE inserts, 32 pole

500 V, 16 A, Size 10

Metric versions

	Type	Order No.
	HDC-KIT-HE 32.140 M	**1802370000**

Part	Type	Order No.
Socket connector	HDC HE 16 FS	**1207700000**
Socket connector	HDC HE 16 FS 17-32	**1216100000**
Plug	HDC HE 16 MS	**1207500000**
Plug	HDC HE 16 MS 17-32	**1215700000**
Bulkhead (feed-through)	HDC 32B ABU	**1217800000**
Plug housing	HDC 32B TSBU 1M32G	**1788400000**
Cable glands	VG M32 - MS 68	**1772240000**

Metal housing

500 V, 16 A, Size 10

PG versions

	Type	Order No.
	HDC-KIT-HE 32.140	1712540000

Part	Type	Order No.
Socket connector	HDC HE 16 FS	1207700000
Socket connector	HDC HE 16 FS 17-32	1216100000
Plug	HDC HE 16 MS	1207500000
Plug	HDC HE 16 MS 17-32	1215700000
Bulkhead (feed-through)	HDC 32B ABU	1217800000
Plug housing	HDC 32B TSBU 1PG29G	1666840000
Cable glands	VG 29-MS68	1569120000

Metal housing

RockStar® Kits with HE inserts, 48 pole

500 V, 16 A, Size 12

Metric versions

	Type	Order No.
	HDC-KIT-HE 48.150 M	**1802360000**

Part	Type	Order No.
Socket connector	HDC HE 24 FS	**1211300000**
Socket connector	HDC HE 24 FS 25-48	**1221200000**
Plug	HDC HE 24 MS	**1211100000**
Plug	HDC HE 24 MS 25-48	**1220800000**
Bulkhead (feed-through)	HDC 48B ADLU	**1222900000**
Plug housing	HDC 48B TSLU 1M40G	**1788310000**
Cable glands	VG M40 - MS 68	**1772250000**

Metal housing

500 V, 16 A, Size 12

PG versions

	Type	Order No.
	HDC-KIT-HE 48.150	1712550000

Part	Type	Order No.
Socket connector	HDC HE 24 FS	1211300000
Socket connector	HDC HE 24 FS 25-48	1221200000
Plug	HDC HE 24 MS	1211100000
Plug	HDC HE 24 MS 25-48	1220800000
Bulkhead (feed-through)	HDC 48B ADLU	1222900000
Plug housing	HDC 48B TSLU 1PG29G	1650850000
Cable glands	VG 29-MS68	1569120000

Metal housing

RockStar® Kits with HSB inserts, 6 pole

400 V, 35 A, Size 6

PG versions

	Type	Order No.
	HDC-KIT-HSB 06.500	1724000000

Part	Type	Order No.
Socket connector	HDC HSB 6 FS	1498900000
Plug	HDC HSB 6 MS	1498700000
Bulkhead (feed-through)	HDC 16B ABU	1208600000
Plug housing	HDC 16B TSBU 1PG21G	1656480000
Cable glands	VG 21-MS68	1569110000

Metal housing

RockStar® accessories, tools and cable glands

RockStar® accessories	Introduction	J.2
	Crimp contacts	J.4
	Fibre optic contacts	J.12
	Rail mounting system RailMate N	J.14
	Coding	J.15
	Shield lever	J.19
	Grip panels	J.22
	Docking frame	J.23
	Other accessories	J.24
Tools	Cutting	J.31
	Crimping	J.32
	Screwdrivers	J.35
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	Stripping and crimping machines	J.43
Cable glands	Introduction	J.44
	Standard cable glands – Plastic	J.46
	Standard cable glands – Brass	J.47
	EMC cable glands	J.49
	Standard cable glands – Stainless steel	J.51
	Standard cable glands	J.53
	Ex-cable glands – Plastic	J.54

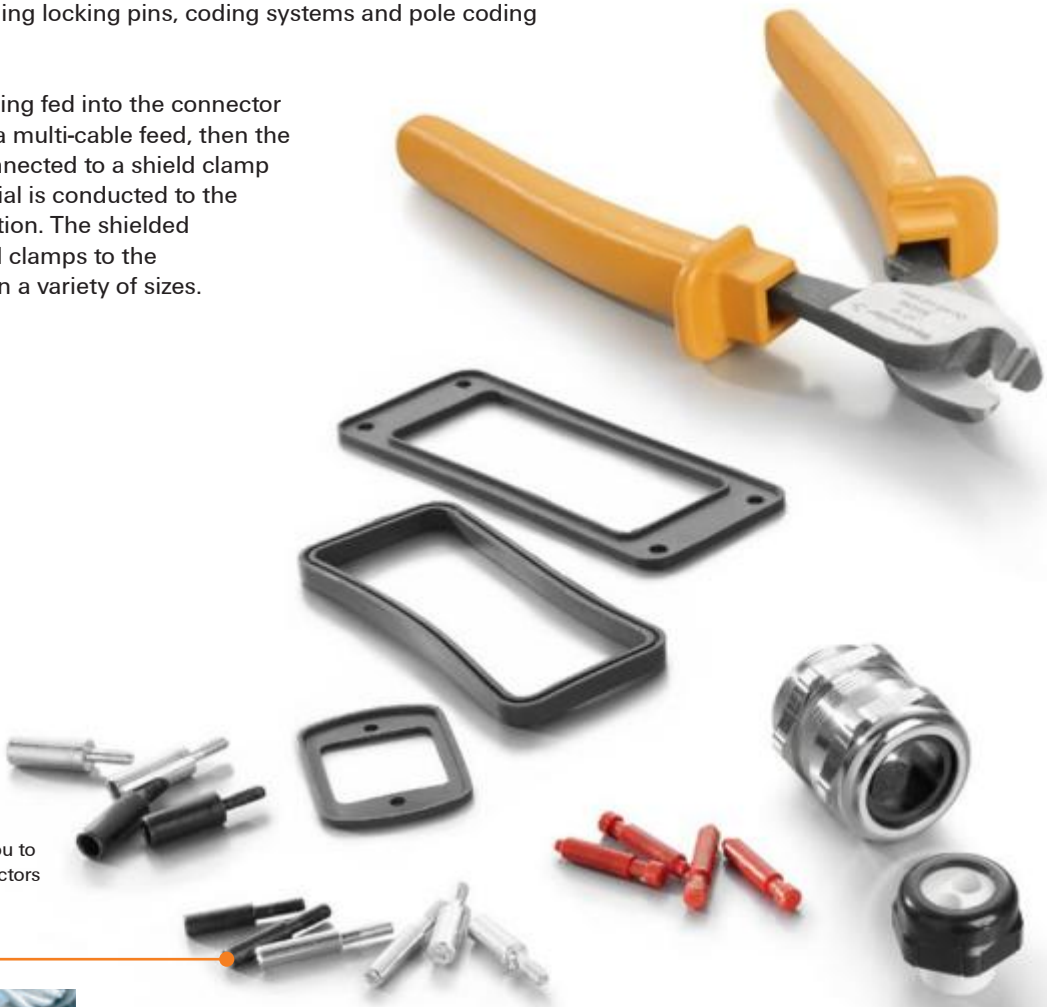
RockStar® Accessories

In addition to heavy-duty connectors, RockStar® also includes functional and safety accessories – including crimp contacts, coding systems and shield clamps – to help you with your facility cabling.

A technically proper crimp connection should be gas-tight and corrosion-resistant. Machined crimp contacts are available with different performance requirements and with either silver or gold plating.

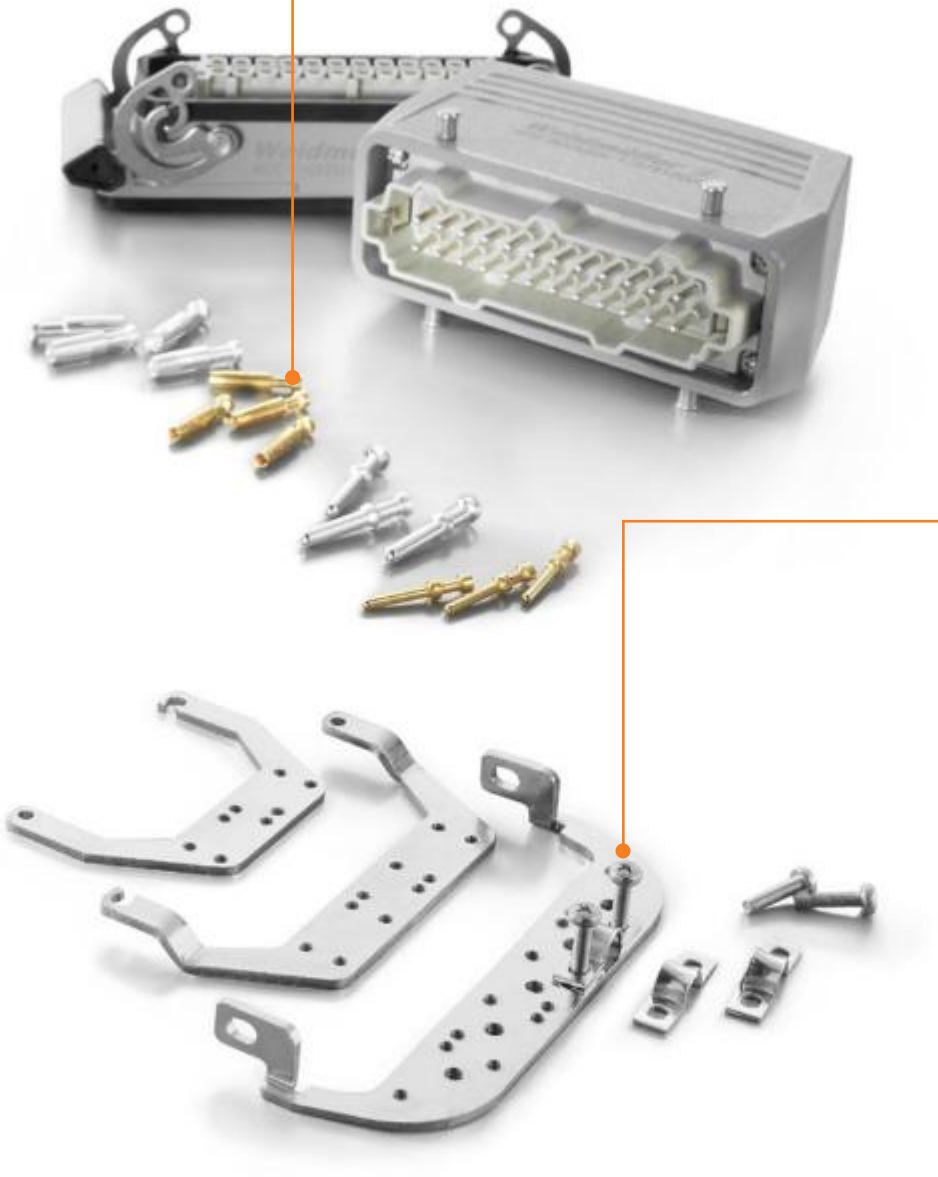
When aligning multiple connectors with similar mating profiles within one facility, you must safeguard against accidental plugging mistakes. The RockStar® product line also includes the corresponding locking pins, coding systems and pole coding for this purpose.

If multiple shielded cables are being fed into the connector housing using a flexible hose or a multi-cable feed, then the shielding should normally be connected to a shield clamp attached to an insert. The potential is conducted to the housing using the metallic transition. The shielded conductor is fastened with shield clamps to the shield lever, which are available in a variety of sizes.



Solid
Weidmüller's coding system can help you to clearly classify and organise your connectors while also ensuring that they cannot be plugged in incorrectly.

Secure
Solid, machined crimped contacts ensure a gas-tight and corrosion-resistant crimp.



Optimised shielding
Shield lever and shield clamps allow the shield to be directly attached to the connector housing.

Crimp contacts

Crimp contacts for fixed-pole inserts

Technical data

	for HD and HDD inserts	for HE and HEE inserts
Material	Copper alloy	Copper alloy
Surface hard gold-plated	0.8 µm	0.8 µm
Surface hard silver-plated	3 µm	3 µm
Contact resistance	≤ 4 mΩ	≤ 2 mΩ
Clamping range	0.14 ... 2.5 mm2 26 ... 14 AWG	0.5 ... 4.0 mm² 20 ... 12 AWG
Stripping length	8 mm	7.5 mm

For HD and HDD inserts

Crimp contacts

Surface Gold

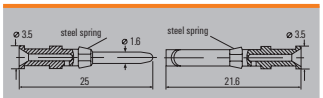
Surface Silver

Male

Qty.	Type	Order No.
100	HDC-C-HD-SM0.14-0.37AU	1651620000
100	HDC-C-HD-SM0.5AU	1651630000
100	HDC-C-HD-SM0.75-1.00AU	1651640000
100	HDC-C-HD-SM1.5AU	1651650000
100	HDC-C-HD-SM2.5AU	1651660000
100	HDC-C-HD-SM0.14-0.37AG	1651520000
100	HDC-C-HD-SM0.5AG	1651530000
100	HDC-C-HD-SM0.75-1.00AG	1601750000
100	HDC-C-HD-SM1.5AG	1651550000
100	HDC-C-HD-SM2.5AG	1651560000

Female

Type	Order No.
HDC-C-HD-BM0.14-0.37AU	1651670000
HDC-C-HD-BM0.5AU	1651680000
HDC-C-HD-BM0.75-1.00AU	1651690000
HDC-C-HD-BM1.5AU	1651700000
HDC-C-HD-BM2.5AU	1651710000
HDC-C-HD-BM0.14-0.37AG	1651570000
HDC-C-HD-BM0.5AG	1651580000
HDC-C-HD-BM0.75-1.00AG	1601760000
HDC-C-HD-BM1.5AG	1651600000
HDC-C-HD-BM2.5AG	1651610000



Conductor cross-section		Insulation stripping length
0.14 – 0.37 mm²	AWG 26-22	8 mm
0.50 mm²	AWG 20	8 mm
0.75 – 1.00 mm²	AWG 18	8 mm
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	8 mm

Tools

Crimping tool	Order No.
CTX CM 1,6 / 2,5	9018490000
CTIN CM 1.6/2.5	9205430000
Contact release tool	
Removal Tool HD	1866730000

For HE, HEE and HEEE inserts

Crimp contacts

Surface Gold

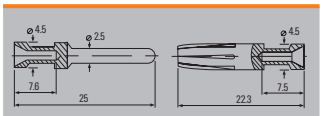
Surface Silver

Male

Qty.	Type	Order No.
100	HDC-C-HE-SM0.5AU	1651420000
100	HDC-C-HE-SM0.75-1.00AU	1651430000
100	HDC-C-HE-SM1.5AU	1651440000
100	HDC-C-HE-SM2.5AU	1651450000
100	HDC-C-HE-SM4.0AU	1651460000
100	HDC-C-HE-SM4.65AU	1116540000
100	HDC-C-HE-SM0.5AG	1200500000
100	HDC-C-HE-SM0.75-1.00AG	1200600000
100	HDC-C-HE-SM1.5AG	1200700000
100	HDC-C-HE-SM2.5AG	1200800000
100	HDC-C-HE-SM4.0AG	1200900000

Female

Type	Order No.
HDC-C-HE-BM0.5AU	1651470000
HDC-C-HE-BM0.75-1.00AU	1651480000
HDC-C-HE-BM1.5AU	1651490000
HDC-C-HE-BM2.5AU	1651500000
HDC-C-HE-BM4.0AU	1651510000
HDC-C-HE-BM4.65AU	1116530000
HDC-C-HE-BM0.5AG	1201100000
HDC-C-HE-BM0.75-1.00AG	1201200000
HDC-C-HE-BM1.5AG	1201300000
HDC-C-HE-BM2.5AG	1201400000
HDC-C-HE-BM4.0AG	1201500000



Conductor cross-section		Insulation stripping length
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm
4.65 mm²	AWG 11	7.5 mm

Tools

Crimping tool	Order No.
CTX CM 1,6 / 2,5	9018490000
CTIN CM 1.6/2.5	9205430000
Contact release tool	
Removal Tool HE	1866750000
Locator for crimping tool	
HDC MBUS CL X/D0.09/0.5	3125010000

Crimp contacts for fixed-pole inserts

Technical data

	For HQ and MixMate inserts	CM-3
Material	Copper alloy	Copper alloy
Surface hard silver-plated	3 µm	3 µm
Contact resistance	≤ 1 mΩ	≤ 1 mΩ
Clamping range	1.5 … 6 mm²	1.5 … 10 mm²
	16 … 10 AWG	16 … 7 AWG
Stripping length	8 mm	10 mm

For HQ and MixMate inserts

Crimp contacts

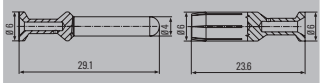
Surface Silver

Male

Qty.	Type	Order No.
25	HDC C HX SM1.5AG	1002910000
25	HDC C HX SM2.5AG	1002920000
25	HDC C HX SM4.0AG	1002930000
25	HDC C HX SM6.0AG	1002940000

Female

Type	Order No.
HDC C HX BM1.5AG	1002950000
HDC C HX BM2.5AG	1002960000
HDC C HX BM4.0AG	1002970000
HDC C HX BM6.0AG	1002980000



Conductor cross-section		Insulation stripping length
1.50 mm²	AWG 16	8 mm
2.50 mm²	AWG 14	8 mm
4.00 mm²	AWG 12	8 mm
6.00 mm²	AWG 10	8 mm

Tools

Crimping tool	Order No.
CTIN CM 1.6/2.5	9205430000
Contact release tool	
Removal Tool HX	1002990000

High Power signal contacts

Crimp contacts

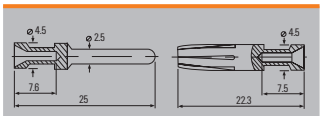
Surface Silver

Male

Qty.	Type	Order No.
100	HDC-C-M3-SM1.5AG	1698120000
100	HDC-C-M3-SM2.5AG	1698140000
100	HDC-C-M3-SM4.0AG	1682260000
100	HDC-C-M3-SM6.0AG	1682280000
100	HDC-C-M3-SM10.0AG	1682300000

Female

Type	Order No.
HDC-C-M3-BM1.5AG	1698130000
HDC-C-M3-BM2.5AG	1698150000
HDC-C-M3-BM4.0AG	1682270000
HDC-C-M3-BM6.0AG	1682290000
HDC-C-M3-BM10.0AG	1682310000



Conductor cross-section		Insulation stripping length
0.50 mm²	AWG 20	7.5 mm
0.75 – 1.00 mm²	AWG 18	7.5 mm
1.50 mm²	AWG 16	7.5 mm
2.50 mm²	AWG 14	7.5 mm
4.00 mm²	AWG 12	7.5 mm
4.65 mm²	AWG 11	7.5 mm

Tools

Crimping tool	Order No.
CTX CM 1,6 / 2,5	9018490000
CTIN CM 1.6/2.5	9205430000
CTX CM 3,6	9018480000
CTIN CM 3.6	9205440000
Contact release tool	
Removal Tool CM3	1866710000

Crimp contacts

Crimp contacts for ModuPlug modules

Technical data

	für COAX Modul	für MGBIT 8 Modul
Material	Copper alloy	Copper alloy
Surface	Gold	Gold
Connection type	Crimp connection, solder connection	Crimp connection
Conductor cross-section	0.14 ... 2.5 mm²	0.08 ... 0.12 mm²

For COAX module

Crimp, solder contacts

Qty.	Male Type	Male Order No.	Female Type	Female Order No.
10	HDC C COAX 50 M	2748670000	HDC C COAX 50 F	2748660000
10	HDC C COAX 75 M	2748690000	HDC C COAX 75 F	2748680000

Tools

Crimping tool for COAX 50 contacts	Order No.
HTG 174	9012410000
Crimping tool for COAX 75 contacts	
HTX 188	9011990000

For MGBIT 8 module

Crimp contacts

Qty.	Male Type	Male Order No.	Female Type	Female Order No.
100	HDC C HS SM0.08-0.12 AU	2748710000	HDC C HS BM0.08-0.12 AU	2748730000
100	HDC C HS SM0.2-0.5 AU	2748700000	HDC C HS BM0.2-0.5 AU	2748720000

Tools

Crimping tool	Order No.
HDC MBUS CT	2592650000

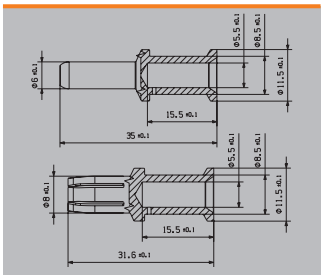
Crimp contacts for ModuPlug inserts

For MHP 70 module

Crimp contacts

Surface Silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP70 M 6	2668280000	HDC MHP70 F 6	2668210000
10	HDC MHP70 M 6 P	2691190000		
10	HDC MHP70 M 10	2668350000	HDC MHP70 F 10	2668200000
10	HDC MHP70 M 10 P	2691240000		
10	HDC MHP70 M 16	2668360000	HDC MHP70 F 16	2668220000
10	HDC MHP70 M 16 P	2691250000		
10	HDC MHP70 M 25	2668370000	HDC MHP70 F 25	2668260000
10	HDC MHP70 M 25 P	2691260000		



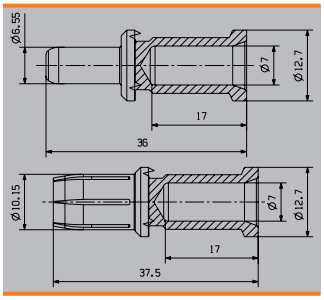
Note: P = Protected

For MHP 100 module

Crimp contacts

Surface Silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP100 M 10	1435750000	HDC MHP100 F 10	1435790000
10	HDC MHP100 M 16	1435760000	HDC MHP100 F 16	1435810000
10	HDC MHP100 M 25	1435770000	HDC MHP100 F 25	1435820000
10	HDC MHP100 M 35	1435780000	HDC MHP100 F 35	1435830000

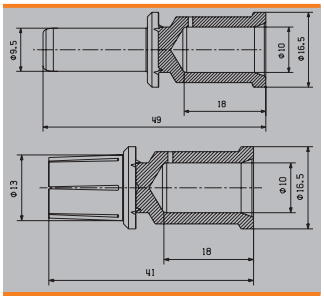


For MHP 200 module

Crimp contacts

Surface Silver

Male			Female	
Qty.	Type	Order No.	Type	Order No.
10	HDC MHP200 M 25	2514860000	HDC MHP200 F 25	2514820000
10	HDC MHP200 M 35	2514870000	HDC MHP200 F 35	2514830000
10	HDC MHP200 M 50	2514880000	HDC MHP200 F 50	2514840000
10	HDC MHP200 M 70	2514890000	HDC MHP200 F 70	2514850000



EPG 45

Crimping tool	Order No.
EPG 45	1500830000
HDC MHP100 REMOVAL TOOL	1480380000
HDC MHP200 REMOVAL TOOL	2617240000

EPG 45

						ES EPG 45 HEX **1500930000** Crimp width 7 mm 6	ES EPG 45 HEX **1500940000** Crimp width 7/5 mm 10 / 70	ES EPG 45 HEX **1500950000** Crimp width 12/5 mm 16 / 35	ES EPG 45 HEX **1500970000** Crimp width 12/5 mm 25 / 50
HDC MHP 100 FC 1429080000		HDC MHP100 F 10	**1435790000**	10 mm²			●		
		HDC MHP100 F 16	**1435810000**	16 mm²				●	
		HDC MHP100 F 25	**1435820000**	25 mm²					●
		HDC MHP100 F 35	**1435830000**	35 mm²				●	
HDC MHP 100 MC 1429060000		HDC MHP100 M 10	**1435750000**	10 mm²			●		
		HDC MHP100 M 16	**1435760000**	16 mm²				●	
		HDC MHP100 M 25	**1435770000**	25 mm²					●
		HDC MHP100 M 35	**1435780000**	35 mm²				●	
HDC MHP 200 FC 2549260000		HDC MHP200 F 25	**2514820000**	25 mm²					●
		HDC MHP200 F 35	**2514830000**	35 mm²				●	
		HDC MHP200 F 50	**2514840000**	50 mm²					●
		HDC MHP200 F 70	**2514850000**	70 mm²			●		
HDC MHP 200 MC 2548900000		HDC MHP200 M 25	**2514860000**	25 mm²					●
		HDC MHP200 M 35	**2514870000**	35 mm²				●	
		HDC MHP200 M 50	**2514880000**	50 mm²					●
		HDC MHP200 M 70	**2514890000**	70 mm²			●		
HDC MHP 70 FC 2668180000		HDC MHP70 F 6	**2668210000**	6 mm²		●			
		HDC MHP70 F 10	**2668200000**	10 mm²			●		
		HDC MHP70 F 16	**2668220000**	16 mm²				●	
		HDC MHP70 F 25	**2668260000**	25 mm²					●
HDC MHP 70 MC 2668190000		HDC MHP70 M 6	**2668280000**	6 mm²		●			
		HDC MHP70 M 10	**2668350000**	10 mm²			●		
		HDC MHP70 M 16	**2668360000**	16 mm²				●	
		HDC MHP70 M 25	**2668370000**	25 mm²					●
		HDC MHP70 M 6 P	**2691190000**	6 mm²		●			
		HDC MHP70 M 10 P	**2691240000**	10 mm²			●		
		HDC MHP70 M 16 P	**2691250000**	16 mm²				●	
		HDC MHP70 M 25 P	**2691260000**	25 mm²					●

HPG 60

ES EPG / HPG 60 HEX 6	ES EPG / HPG 60 HEX 10	ES EPG / HPG 60 HEX 16	ES EPG / HPG 60 HEX 25	ES EPG / HPG 60 HEX 35	ES EPG / HPG 60 HEX 50	ES EPG / HPG 60 HEX 70
2505150000	**2505160000**	**2505170000**	**2505180000**	**2505190000**	**2505200000**	**2505210000**
Crimp width 7 mm	Crimp width 7 mm	Crimp width 5 mm	Crimp width 5 mm	Crimp width 5 mm	Crimp width 5 mm	Crimp width 5 mm
6	10	16	25	35	50	70
	●					
		●				
			●			
				●		
	●					
		●				
			●			
				●		
			●			
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		●				
			●			

Crimp contacts

Crimp contacts for HighPower

Technical data

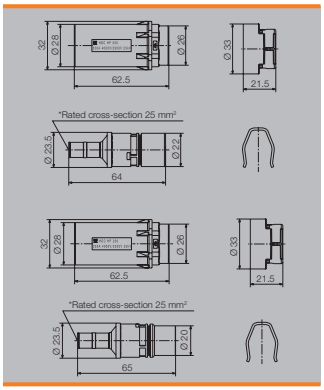
	for HighPower 250 A
Material	Copper alloy
Surface hard silver-plated	3-5 µm
Contact resistance	≤ 0.1 mΩ
Clamping range	25 ... 95 mm² AWG 4 ... AWG 000
Stripping length	30 mm*

For HighPower 250 A

Crimp contacts

Wire connection cross-section	Male Type	Order No.	Female Type	Order No.
25 mm²	HDC HP 250 M 25	**1079690000**	HDC HP 250 F 25	**1079720000**
35 mm²	HDC HP 250 M 35	**1079680000**	HDC HP 250 F 35	**1079730000**
50 mm²	HDC HP 250 M 50	**1119080000**	HDC HP 250 F 50	**1079740000**
70 mm²	HDC HP 250 M 70	**1119090000**	HDC HP 250 F 70	**1079750000**
95 mm²	HDC HP 250 M 95	**1119100000**	HDC HP 250 F 95	**1079770000**
Insulated PE contact				
50 mm²	HDC HP 250 M 50 PE	**1220850000**	HDC HP 250 F 50 PE	**1220840000**

Note In the version described here, the crimp contacts can be used for crimp connections with flexible, stranded, and finely stranded copper wires (according to DIN 48201 part 1 and DIN 57 295 VDE 0295) or with crimping inserts (according to DIN 48083 part 1, part 3 and part 4). We would be glad to customise the crimp contact to fit your requirements.



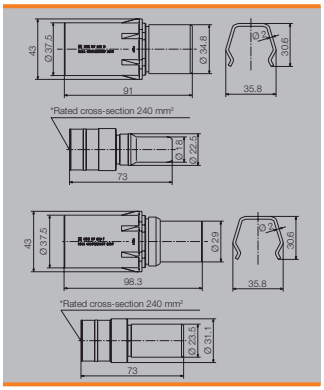
Technical data

	for HighPower 550 A
Material	Copper alloy
Surface hard silver-plated	3-5 µm
Contact resistance	≤ 0.1 mΩ
Clamping range	50 ... 240 mm² AWG 1/0 ... kcmil 500
Stripping length	30 mm*

For HighPower 550 A

Crimp contacts

Wire connection cross-section	Male Type	Order No.	Female Type	Order No.
25 mm²	HDC HP 550 M 25	**1220580000**	HDC HP 550 F 25	**1220570000**
50 mm²	HDC HP 550 M 50	**1157800000**	HDC HP 550 F 50	**1177100000**
70 mm²	HDC HP 550 M 70	**1268810000**	HDC HP 550 F 70	**1268820000**
95 mm²	HDC HP 550 M 95	**1079790000**	HDC HP 550 F 95	**1079810000**
120 mm²	HDC HP 550 M 120	**1079780000**	HDC HP 550 F 120	**1079820000**
150 mm²	HDC HP 550 M 150	**1119110000**	HDC HP 550 F 150	**1079830000**
185 mm²	HDC HP 550 M 185	**1120580000**	HDC HP 550 F 185	**1079840000**
240 mm²	HDC HP 550 M 240	**1120590000**	HDC HP 550 F 240	**1120600000**



J

Fibre optic contacts

Fibre-optic cables guarantee interference-free transmission without any feedback.

The new fibre-optic contacts can now also be used in heavy-duty connectors. Their shape corresponds to that of our proven HD contacts for connecting conventional copper wires. Accordingly, they can be assembled in existing connectors of the HD series, as well as being suitable for use with the ConCept modular system. It is even possible to connect fibre-optic wires and copper wires in a single connector.

The advantages at a glance:

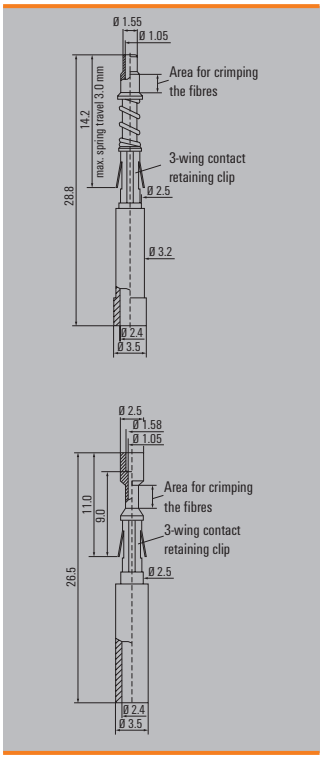
- Immune to electromagnetic interference
- Absolute contact separation
- Weight reduction by dispensing with copper wires
- High transmission capacity and large bandwidth
- All advantages now also available for robust industrial environments

HDC-C-HD ... LWL 1.0 POF

J

Technical data

Connection for POF cable	
Maximum outer diameter	2.2 mm
Polymer fibre diameter	1.0 mm
Attenuation	
– Requirement to DIN IEC Part 7 Section 2/05.94:	< 3 dB
– the HDC-C-HD LWL contacts in plugged-in state:	< 2 dB
Material	
Temperature range	–40 °C to +85 °C
Contact material	Nickel-silver
Over-spring	Copper alloy



Ordering data

Qty.	Male	Order No.	Female	Order No.
5	HDC-C-HD-S-LWL 1.0 POF	**1773630000**	HDC-C-HD-B-LWL 1.0 POF	**1773640000**

HD inserts must be ordered separately

Instructions for assembling fibre optic contacts

1. Cut POF cable (polymer optical fibre) to the required length with cutting tool (we recommend the KT 8).

2. The end face of the fibre of 2.2 mm POF cables must be polished before crimping onto the fibre optic contact. Insert end of POF cable into polishing disc and polish with polishing sheet placed on a smooth surface (e.g. glass plate). Wipe away any residues after polishing. The best optical attenuation values are obtained with wet polishing.

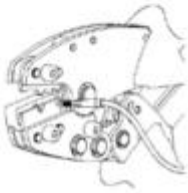
3. Strip sheath of 2.2 mm POF cable to at least 14 mm for female contacts (HDC-C-HD-B-LWL) and at least 19 mm for male contacts (HDC-C-HD-S-LWL).

4. Crimping:
   A. Insert POF cable into male contact, then both together into the crimping die.
   B. The female contact has to be inserted angled slightly
   downwards into the die.
   Make sure the end face of the contact and the plastic fibre press against the locator.
   C. Squeeze the hand levers until the tool unlocks.
   D. Release option in case of incorrect operation.

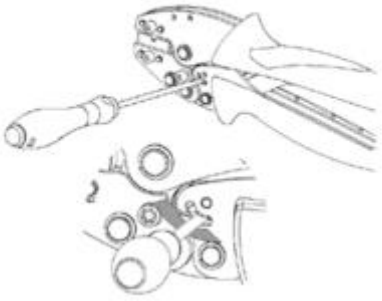
A. Male

B. Female

C.



D.



Cutting tool

including positioning sleeve

Type	Qty.	Order No.
KT8	1	1096180000

Polishing disc for fibre-optic cable

Polishing sheet, 1,000 grit size

Type	Qty.	Order No.
PS LWL/POF	1	9020390000
PB LWL/POF	1	9020400000

Crimping tool

for fibre-optic set

Type	Qty.	Order No.
HTX-HDC/POF	1	9010950000

Contact release tool

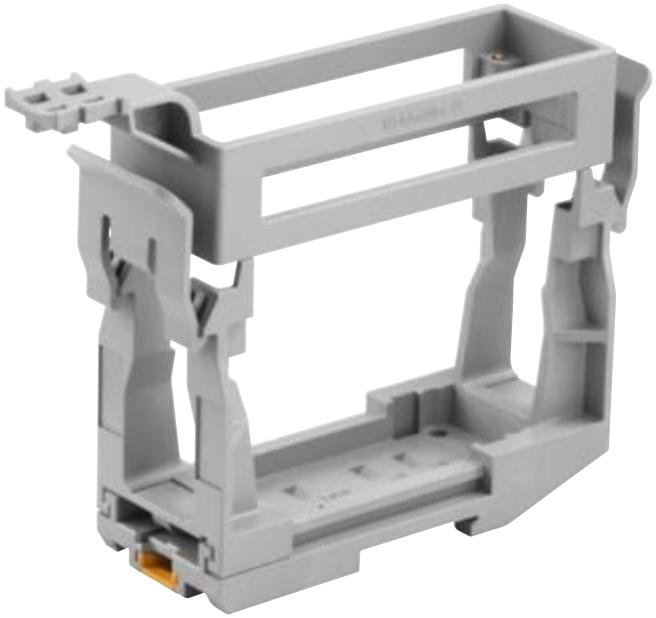
for removing machined HD and fibre-optic contacts

Type	Qty.	Order No.
Removal Tool HD	1	1866730000

Rail mounting system RailMate N

For mounting rail TS 35 x 7.5 and TS 35 x 15

A die-cast aluminum housing can be dispensed within an enclosure to reduce costs. It is replaced by RailMate N as a practical IP 20 solution. With this mounting rail system, both the inserts for the heavy-duty connectors and the ModuPlug modular connector system can be mounted on the mounting rail.



Technical data

Material	PC
Color	grey (RAL 7042)
Temperature range	-40 °C ... +125 °C
Brennbarkeitsklasse	V-0 following UL 94

Ordering data individual components

Frame for inserts

Type	Size	Qty.	Order No.
HDC RAILMATE HB 6 TOP N	3	1	2883390000
HDC RAILMATE HB 10 TOP N	4	1	2883400000
HDC RAILMATE HB 16 TOP N	6	1	2883410000
HDC RAILMATE HB 24 TOP N	8	1	2883420000

Basisplatte

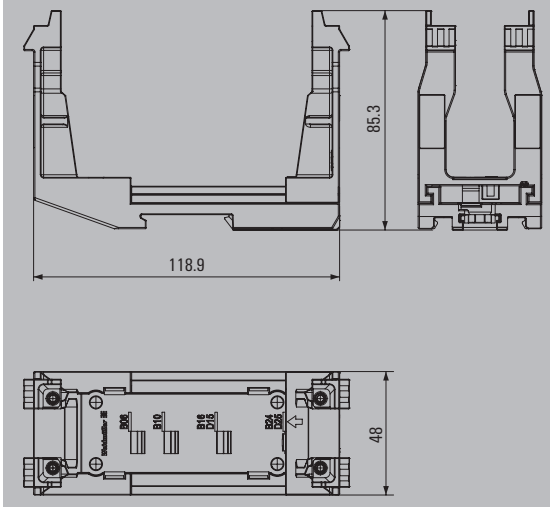
Type	Size	Qty.	Order No.
HDC RAILMATE BASIS N	3, 4, 6, 8	1	2883430000
Note	Base frame adjustable to sizes 3, 4, 6 and 8		

Sets

Type	Size	Qty.	Order No.
HDC RAILMATE HB6 SET N	3	1	2883350000
HDC RAILMATE HB 10 SET N	4	1	2883360000
HDC RAILMATE HB 16 SET N	6	1	2883370000
HDC RAILMATE HB 24 SET N	8	1	2883380000
Note	Each set consists of: 1 base plate 1 top frame		

Coding pin

Typ	Qty.	Order No.
SPB-M 3	100	1203600000



Coding pins

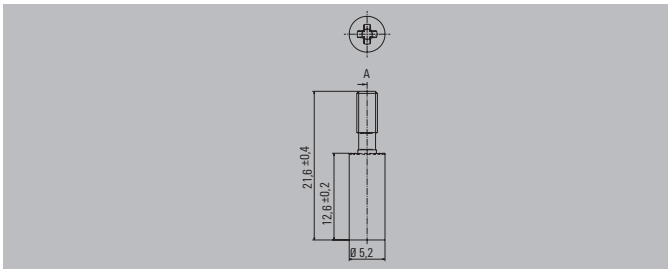
Where several connectors of similar type are arranged on a machine, it is essential to avoid the risk of connectors being inserted in the wrong place.
If you have up to six connectors to code, Weidmüller coding pins are the simplest solution. They allow six secure coding variations.

In this case, you substitute two M3 fastening screws on the female insert by coding pins. On the male insert, you leave the opposing fastening screws where they are and substitute the others by coding pins. You then have a pair of inserts that fit together. The coding diagram illustrates the system.

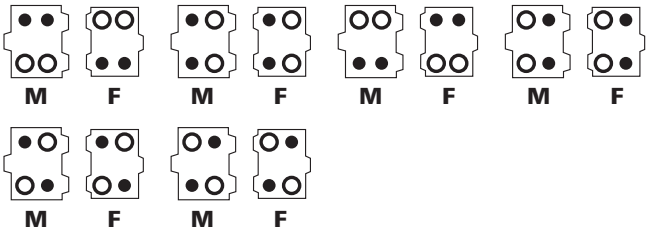
Ordering data

Type	Qty.	Order No.
SPB-M 3	10	1203600000

Allow 4 coding pins for each connector.



Coding arrangement for coding pins



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Coding system with guiding function

If you have more than six connectors of similar type to code, you need coding pins and coding sockets.
Replace all M3 fastening screws of an insert by two coding pins and two coding sockets. Then you fit two coding pins and two coding sockets to the mating insert, in a complementary arrangement.

Fit coding pins to the other connectors in the same way, but with a different arrangement. The coding diagram illustrates the system. The coding sockets cannot be used in combination with separate housing covers

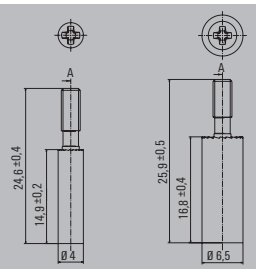
Ordering data DSTV

For fixed-pole inserts

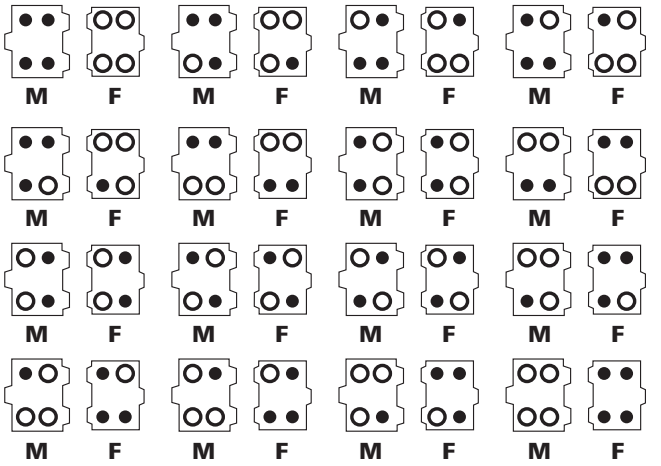
Type	Qty.	Order No.
DSTV COST4	100	**1471300000**
DSTV COBU5	100	**1471500000**

Cod. socket 5 mm dia ○
Cod. pin 4 mm dia ●

Plan to have four coding pins and four coding sockets for each connector.



Coding arrangement for coding pins



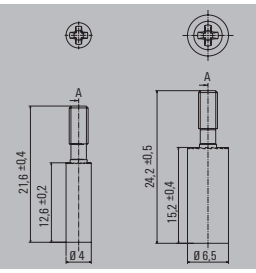
Ordering data HDC CM

For ModuPlug metal frames

Type	Qty.	Order No.
HDC CM GUIDING PIN	100	**1202660000**
HDC CM GUIDING SOCKET	100	**1202670000**

Cod. socket 5 mm dia ○
Cod. pin 4 mm dia ●

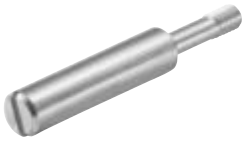
Plan to have four coding pins and four coding sockets for each connector.



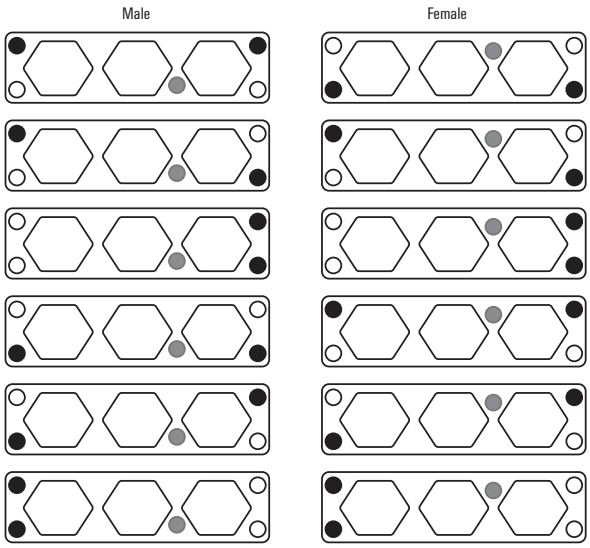
Assembly instructions for the coding system for the RockStar® HDC HighPower connectors

The coding elements (available under Accessories) can be used to code up to six connectors.

Ordering data

Coding pin	Type	Order No.
	HDC HP CODING SYSTEM	**1160780000**

Coding arrangement Male/Female

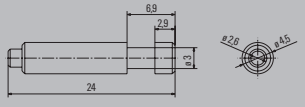


HE coding pin

Use the HE coding pin for a quick and simple solution to avoid mixing up your plug-in connections. The coding pin can be inserted into a single contact chamber (instead of a crimp contact) on both the male and female side of the connector. The opposite mated contact then remains free. The HE coding pin can be used to code all inserts and modules using HE-series crimp contacts.

Ordering data

Type	Qty.	Order No.
HDC HE CP	100	1003240000



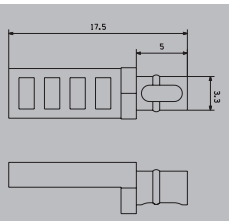
These include the following:
- HEE inserts
- HEEE inserts
- HQ 5 insert
- HQ 8 insert
- S8/24 insert (power contacts)

Coding pin HA3/4 for PUSH IN inserts

This coding pin is a quick and easy way to prevent confusion between identical connectors. The coding elements can be inserted in the center of the contact carrier on both the pin and socket sides of the respective connector. Both sides of the connectors must be equipped with the coding elements. If one element is not aligned with the other, the connectors cannot be plugged together.

Ordering data

Type	Qty.	Order No.
HDC HA3/4 HQ5 PUSHIN CP	100	3142030000



These include the following:
- HA 3 PUSH IN
- HA 4 PUSH IN
- HQ 5 PUSH IN

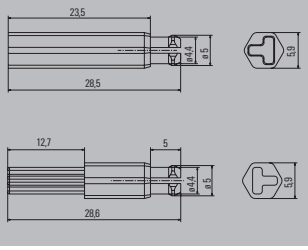
HQ 7 coding system

You can protect 7-pole HQ connectors against false insertions by using the HQ 7 coding system. Both a coding pin and socket are used for protection. Six different variants are permitted by the shape of the optional coding which is aligned centrally in the connector. Refer to the coding diagram for the layout.

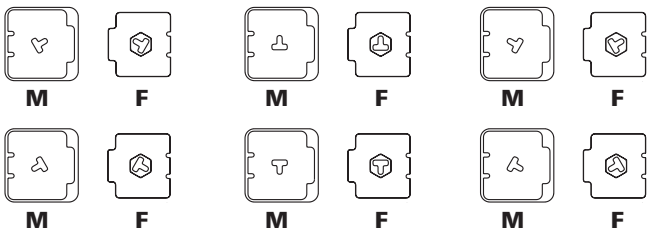
Ordering data

Type	Qty.	Order No.
HDC HQ 7 CPM	50	1003230000
HDC HQ 7 CPF	50	1003220000

Note:
Six-way coding is possible with a coding pin.



Coding arrangement Male/Female



Shield lever for sizes 3, 4, 6 and 8 for fitting of shield clamps or KLBÜ 3–8 SC

Technical data

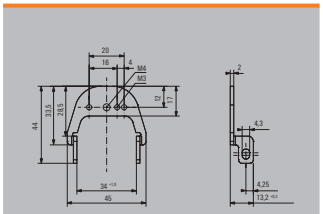
Use	Clamping of the shield
Fastening of shield lever	To PE terminal, both sides, 2nd screw for fixing
Cable connection system	Shield clamp or KLBÜ clamping yoke
No. shield clamps or KLBÜ clamping yokes	
Size 3	1*
Size 4	2*
Size 6	3*
Size 8	5*
Clamping range shield clamp	see page I.22
Material	Steel
Surface	Galvanised
Temperature range	–40 °C ... +125 °C

Note: *Fastening points of shield clamp, 16 mm spacing

Shield lever
for standard inserts

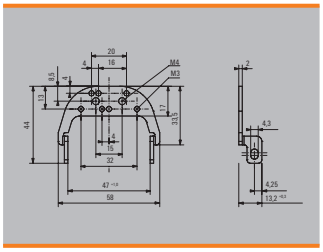
HDC SHIELD LEVER 3 SC

Type	Size	Qty.	Order No.
HDC SHIELD LEVER 3 SC	3	1	1867390000



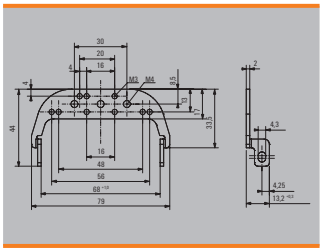
HDC SHIELD LEVER 4 SC

Type	Size	Qty.	Order No.
HDC SHIELD LEVER 4 SC	4	1	1867370000



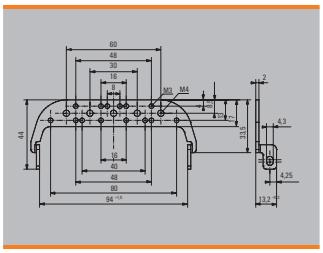
HDC SHIELD LEVER 6 SC

Type	Size	Qty.	Order No.
HDC SHIELD LEVER 6 SC	6	1	1867380000



HDC SHIELD LEVER 8 SC

Type	Size	Qty.	Order No.
HDC SHIELD LEVER 8 SC	8	1	1867360000

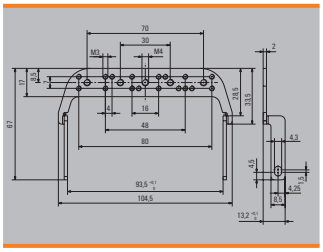


Shield lever

for standard inserts – special versions

SHIELD LEVER 8 MOD 35 mm

Type	Size	Qty.	Order No.
SHIELD LEVER 8 MOD 35mm	8	1	1000950001

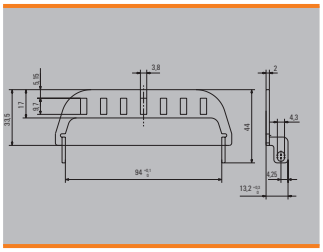


Shield lever

Special versions

HDC SHIELD LEVER 8 LL

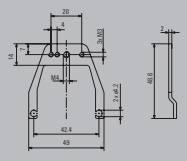
Type	Size	Qty.	Order No.
HDC SHIELD LEVER 8 LL	8	1	1011380000



Shield lever
for the ModuPlug modular system (metal frame) – 45° angled version

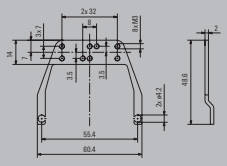
HDC MSL6

Type	Size	Qty.	Order No.
HDC MSL6	3	1	1435410000



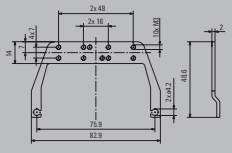
HDC MSL10

Type	Size	Qty.	Order No.
HDC MSL10	4	1	1435420000



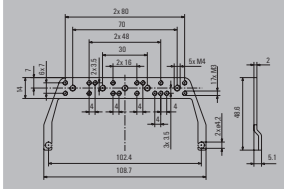
HDC MSL16

Type	Size	Qty.	Order No.
HDC MSL16	6	1	1435430000



HDC MSL24

Type	Size	Qty.	Order No.
HDC MSL24	8	1	1435440000



PE-Extension
for ModuPlug frames

HDC MF CA16 PE

Type		Qty.	Order No.
HDC MF CA16 PE	16 mm²	1	1480940000
Crimping tools			
EPG45		1	1500830000
Hex 25/50		1	1500970000

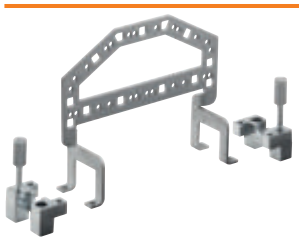
Grip panels

HDC GRIP PANEL

Technical data

Use	KLBÜ and shield clamps can be used Cable ties can be used for fixing cable
Suitable for the series:	HE, HEE, HEEE HD, HDD HVE HSB ModuPlug
Material	Steel
Surface	Galvanised
Temperature range	–40 °C to 125 °C

Grip panel with screw adapter for fixed pole inserts



Type	Size	Qty.	Order No.
HDC GRIP PANEL 3 ADAPT	3	1	1444680000
HDC GRIP PANEL 4 ADAPT	4	1	1444710000
HDC GRIP PANEL 6 ADAPT	6	1	1444720000
HDC GRIP PANEL 8 ADAPT	8	1	1444730000

Grip panel with screw adapter for fixed-pole inserts and the modular system ModuPlug

Type	Size	Qty.	Order No.
HDC GRIP PANEL 3 ADAPT COM	3	1	2780770000
HDC GRIP PANEL 4 ADAPT COM	4	1	2780780000
HDC GRIP PANEL 6 ADAPT COM	6	1	2780790000
HDC GRIP PANEL 8 ADAPT COM	8	1	2780800000

Grip panel for fixed pole inserts and the modular system ModuPlug

Type	Size	Qty.	Order No.
HDC GRIP PANEL 3 COM	3	1	2782940000
HDC GRIP PANEL 4 COM	4	1	2782950000
HDC GRIP PANEL 6 COM	6	1	2782970000
HDC GRIP PANEL 8 COM	8	1	2782980000

Docking frame HDC MDF

Technical data

Application	For height compensation, for example with slide-in systems, the docking frames can be mounted floating on one or both sides.
Suitable for the series:	ModuPlug HE, HEE, HEEE HD, HDD, HVE HSB
Material	Stainless steel
Slide-in levelling, floating on one side	± 1 mm
Slide-in levelling, floating on both sides	± 2 mm
Tightening torque of the fastening screws	3.5 Nm

Size 3 (06B)

Type	Qty.	Order No.
HDC MDF 06B	1	2708490000

Size 4 (10B)

Type	Qty.	Order No.
HDC MDF 10B	1	2708500000

Size 6 (16B)

Type	Qty.	Order No.
HDC MDF 16B	1	2708510000

Size 8 (24B)

Type	Qty.	Order No.
HDC MDF 24B	1	2708520000

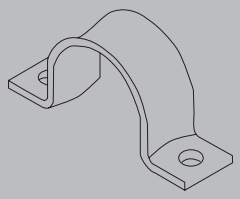
Shield clamps for shield levers of size 3 (06B), 4 (10B), 6 (16B) and 8 (24B)

Technical data

Use	Clamps shield on the shield lever	
Fastening of shield lever	With supplied fastening accessories	
Clamping range shield clamp	Cable diameter mm	Gauge of fastening holes mm
Shield clamp 10 mm	10	20
Shield clamp 9 mm	9	20
Shield clamp 8 mm	8	20
Shield clamp 7 mm	7	20
Shield clamp 6 mm	6	16
Shield clamp 5 mm	5	16
Shield clamp 4.5 mm	4.5	16
Material	Steel	
Surface	Galvanised	
Temperature range	–40 °C ... +125 °C	

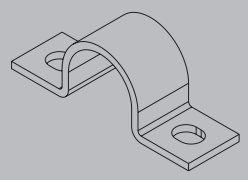
Shield clamps

Type	Qty.	Order No.
SHIELD CLAMP 4.5 WO S	100	1018120000
SHIELD CLAMP 5 WO S	100	1018130000
SHIELD CLAMP 6 WO S	100	1018150000
SHIELD CLAMP 7 WO S	100	1018160000
SHIELD CLAMP 8 WO S	100	1018170000
SHIELD CLAMP 9 WO S	100	1018180000
SHIELD CLAMP 10 WO S	100	1018110000



Shield clamps with fitting materials

Type	Qty.	Order No.
HDC SHIELD CLAMP 4.5	100	1912190000
HDC SHIELD CLAMP 5.0	100	1912200000
HDC SHIELD CLAMP 6.0	100	1912210000
HDC SHIELD CLAMP 7.0	100	1912220000
HDC SHIELD CLAMP 8.0	100	1912230000
HDC SHIELD CLAMP 9.0	100	1912240000
HDC SHIELD CLAMP 10.0	100	1912250000
HDC SHIELD CLAMP 14.0	100	1002820000



PE and mounting screws

Type	Qty.	Order No.
HDC PE HA SCREW M4x5,5	50	1025660000
HDC PE HE SCREW M4x7,8	50	1025670000
HDC PE HD/ HDD/CF SCREW M4x6	50	1029440000
HDC PE HSB/S SCREW M5x8	50	1029470000
HDC PE S6/6 SCREW M4x8	50	1029520000
HDC FIXING SC SIZE1 M3x6	50	1168850000
HDC FIXING SCREW M3x10	50	1029510000

Locking foot for TS 35 mounting rail

Locking hook

Example: DSTV-TS

Ordering data

Type	Qty.	Order No.
DSTV-TS 6-24	10	**1595220000**

Note:
For all inserts apart from HA and all inserts of size 1

Ordering data

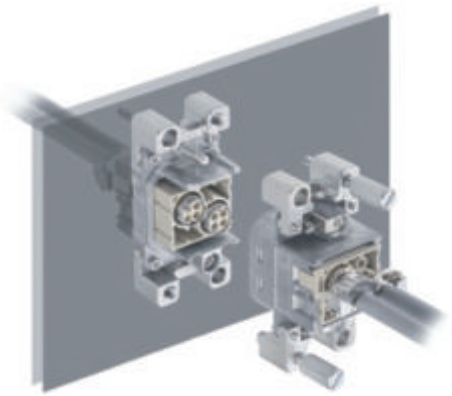
Type	Qty.	Order No.
DSTV-TS 6 VH	10	**1595230000**
DSTV-TS 10-24 VH	10	**1595240000**

Note:
For all inserts apart from HA and all inserts of size 1

HDC screw adapter

The screw adapter is an IP20 installation solution with a full metal construction. The inserts are screwed into the screw adapters. The fastening screws for the inserts should be tightened with 0.5 Nm torque.

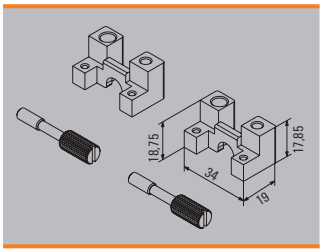
After the contact insert has been properly connected with the screw adapter, it can be mounted to the bulkhead or used as a mating connector, depending on the particular version. Three different screw adapters are possible based on the screw-in angle. The required mounting hardware is included.



HDC ADAPTER W. SCREW

Type	Qty.	Order No.
HDC ADAPTER W. SCREW	1	1017010000

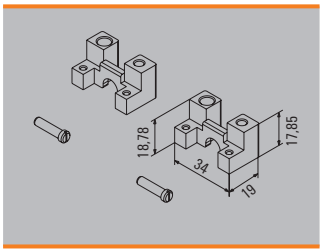
Note: Knurled screw interlock for the connector



HDC SCREW ADAPTER

Type	Qty.	Order No.
HDC SCHRAUBADAPTER	1	1002790000

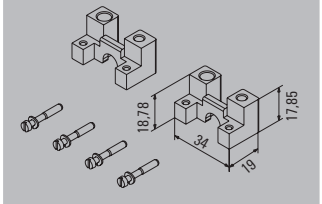
Note: Rectangular cut-out and M4 screws for mounting to wall panel; M3 screws for mounting the insert in the adapter

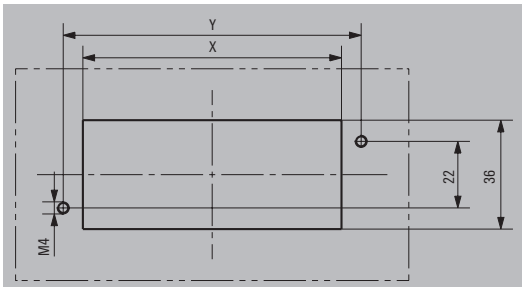


HDC SCREW ADAPTER W/O T

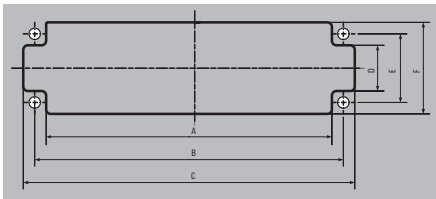
Type	Qty.	Order No.
HDC SCREW ADAPTER W/O T	1	1028030000

Note: Direct mounting on wall panel with rectangular cut-out and M3 screws



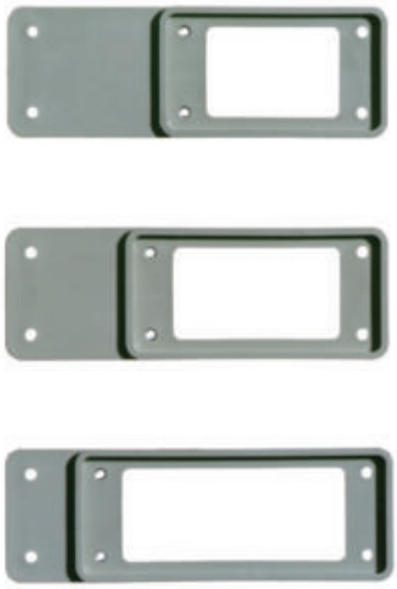


Size	Dimension „X"	Dimension „Y"
3	52.0 mm	65.0 mm
4	65.0 mm	78.0 mm
6	85.5 mm	98.5 mm
8	112.0 mm	125.0 mm



Size	Type	A	B	C	D	E	F
Size 3	HE 06	38 +0.2 +0.5	44	48 +0.2 +0.5	36 +0.2 +0.5	27	14 +0.2 +0.5
Size 4	HE 10	51 +0.2 +0.5	57	61 +0.2 +0.5	36 +0.2 +0.5	27	14 +0.2 +0.5
Size 6	HE 16	71.5 +0.2 +0.5	77.5	81.5 +0.2 +0.5	36 +0.2 +0.5	27	14 +0.2 +0.5
Size 8	HE 24	98 +0.2 +0.5	104	108 +0.2 +0.5	36 +0.2 +0.5	27	14 +0.2 +0.5

Adapter plates, plastic



Cover plates

Technical data

Adapter plates, plastic	
Material	PA6
Sealing material	TPE-S
Colour	orange/grey
Temperature range	-30 °C to +110 °C
Class of protection	IP 65

Technical data

Cover plates	
Material	PA6 / FE
Sealing material	TPE-S
Colour	orange/grey
Temperature range	-30 °C to +110 °C
Class of protection	IP 65

Ordering data

Type	Size	Qty.	Order No.
orange			
ADP-8/3-OR	3	10	**1664980000**
ADP-8/4-OR	4	10	**1665000000**
grey			
ADP-8/3-GR	3	10	**1664990000**
ADP-8/4-GR	4	10	**1665010000**
ADP-8/6-GR	6	10	**1665030000**

Ordering data

Type	Size	Qty.	Order No.
Sheet steel			
ABD-1-Sheet steel	1	10	**9457300000**
Plastic, grey			
ABD-2-GR	2	10	**1664330000**
ABD-3-GR	3	10	**1664350000**
ABD-4-GR	4	10	**1664360000**
ABD-5-GR	5	10	**1664370000**
ABD-6-GR	6	10	**1664390000**
ABD-8-GR	8	10	**1664970000**
Plastic, orange			
ABD-8-OR	8	10	**1664960000**

Profile seals

Gaskets

Seals

Ordering data

Type	Size	Qty.	Order No.
HDC DG 07A	1	5	**1044580000**
HDC DG 10A	2	5	**1044590000**
HDC DG 06B	3	5	**1044610000**
HDC DG 10B	4	5	**1044620000**
HDC DG 16A	5	5	**1044600000**
HDC DG 16B	6	5	**1044630000**
HDC DG 32A	7	5	**1044640000**
HDC DG 24B	8	5	**1044650000**
HDC DG 48A 32B	9/10	5	**1044660000**
HDC DG 48B	12	5	**1044670000**

Note:
for bulkhead and coupling housings

Ordering data

Type	Size	Qty.	Order No.
HDC FLDG 04A	1	5	**1044480000**
HDC FLDG 10A	2	5	**1044490000**
HDC FLDG 06B	3	5	**1044500000**
HDC FLDG 10B	4	5	**1044510000**
HDC FLDG 16A	5	5	**1044520000**
HDC FLDG 16B	6	5	**1044530000**
HDC FLDG 32A	7	5	**1044540000**
HDC FLDG 24B	8	5	**1044550000**
HDC FLDG 32B	10	5	**1044560000**
HDC FLDG 48B	12	5	**1044570000**
HDC-HB10 AWVL FD	HB-10 AWVL 500		**1855680000**

Note:
for bulkhead housings

Ordering data

Type	Size	Qty.	Order No.
HDC FLDG 04A AW IP68		10	**1987470000**
HDC FLDG 04A IP68		10	**1987450000**
HDC FLDG 06B IP68		10	**1987480000**
HDC FLDG 10B IP68		10	**1987500000**
HDC FLDG 16B IP68		10	**1987520000**
HDC FLDG 24B IP68		10	**1987540000**
HDC FLDG 24B XXL IP68		10	**1987550000**
HDC DG 04A IP68		10	**1987460000**
HDC DG 06B IP68		10	**1987490000**
HDC DG 10B IP68		10	**1987510000**
HDC DG 16B IP68		10	**1987530000**
HDC DG 24B IP68		10	**1525270000**
HDC DG 24B XXL IP68		10	**1987570000**

Protective transportation cap for IP65 housings

The protective transportation caps are available for sizes 3, 4, 6 and 8. They can be used with the IP65 standard housings. The transportation caps are easy to attach and provide IP20 protection. They can be used with all bottom housing sections, bulkhead housings or base housings. A lanyard (not included) can be threaded through the built-in eyelet.

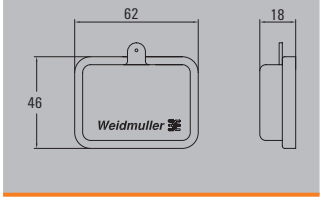
Technical data

Material	Polypropylene
UL94	HB
Colour	white/transparent
Temperature range	–55 °C ... +110 °C
Class of protection	IP20

Protective transportation cap for IP65 housings

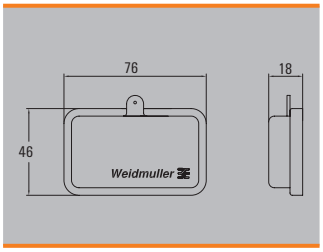
HDC 06B DC

Type	Qty.	Order No.
HDC 06B DC	10	1215900000



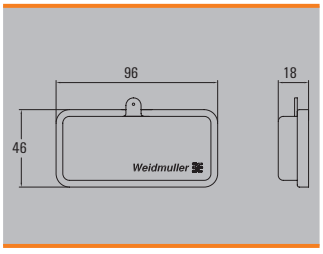
HDC 10B DC

Type	Qty.	Order No.
HDC 10B DC	10	1215910000



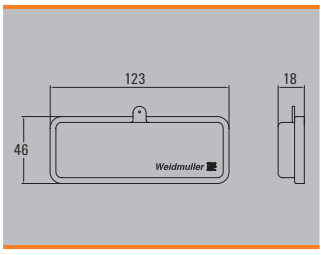
HDC 16B DC

Type	Qty.	Order No.
HDC 16B DC	10	1215920000



HDC 24B DC

Type	Qty.	Order No.
HDC 24B DC	10	1215930000



J

Locking bracket

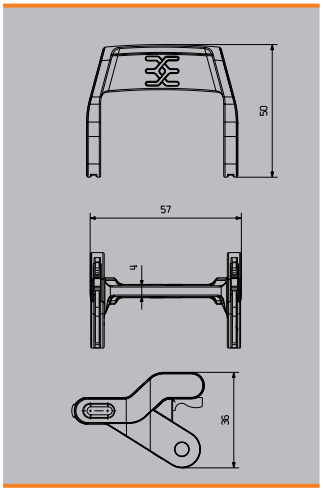
Spare clip

In addition to heavy-duty connectors, RockStar® includes the appropriate accessories for effective, functional and safe system cabling; e.g. coding systems, shield clamps, cover plates and replacement seals

Spare clip for housing with locking bracket

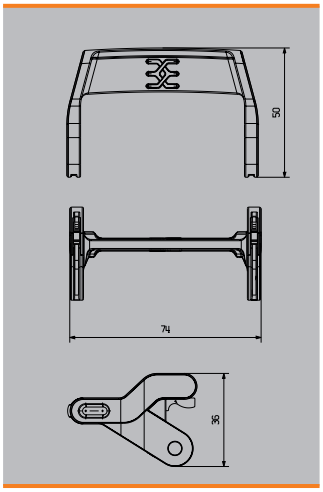
HDC LL 10B N

Type	Size	Clamp version	Colour (RAL)	Qty.	Order No.
HDC LL 10B N	4 6 8	Side-locking clamp	RAL 7035	10	**2535150000**



HDC LL 06B N

Type	Size	Clamp version	Colour (RAL)	Qty.	Order No.
HDC LL 06B N	3	End-locking clamp	RAL 7035	10	**2534550000**



Hydraulic sheet holes

Incl. accessories:
- 1 HSS pre-drill Ø 10 mm
- 1 tension bolt Ø 19 mm
- 1 tension bolt Ø 19 x 9.5 mm
- 1 spacer nut set (3-part)
- 1 bridge

IE-KO-HAT

- Pressure relief valve protects against overloading
- Cylinder head angled at 90°
- Angled head can be rotated through 360°
- Ergonomic handle springs back automatically
- The waste piece no longer becomes jammed thanks to 3-fold splitter
- Hydraulic punch made of high-strength aluminium (approx. 40% weight saving)
- Service life greatly reduced when stainless steel sheets are used

KOK

- Rectangular splitting stamp for heavy-duty connectors

Technical data

Max. steel-sheet punching performance	**IE-KO-HAT**
Round holes from 1 to Ø 85 mm	2,0 mm F = 370 N/mm²
Round holes from 2 to Ø 64 mm	3,0 mm F = 370 N/mm²
Square holes up to	68 x 68 mm; 2.0 mm F = 370 N/mm²
Rectangular holes up to	36 x 112 mm; 2,0 mm F = 370 N/mm²
Max. stainless steel sheet punching performance	
Round holes from 3 to Ø 64 mm	2.5 mm F = 600 N/mm²
Tool data	
Depth / Width / Height	70 / 290 / 120 mm
Weight	1.9 kg
Punching force	75 kN
Max. operating pressure	650 bar
Note	

Ordering data

Version	Type	Qty.	Order No.
	IE-KO-HAT	1	**1966810000**
Note			

Type	Description	Qty.	Order No.
KOK 52 x 36	6-pole	1	**9204820000**
KOK 65 x 36	10-pole	1	**9204830000**
KOK 86 x 36	16-pole	1	**9204850000**
KOK 112 x 36	24-pole	1	**9204870000**

Accessories

	Type	Qty.	Order No.
Tension bolt	KOHS 19	1	**9205010000**
Tension bolts	KOHS 9.5+19	1	**9205000000**
Pre-drill	KOPD 10.0	1	**9205020000**
Note	Splitting stamp on the next page		

Note: the fastening points are centre-punched.

Crimping tools for other contacts

- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

CTX CM 1.6/2.5 / CTX CM 3.6

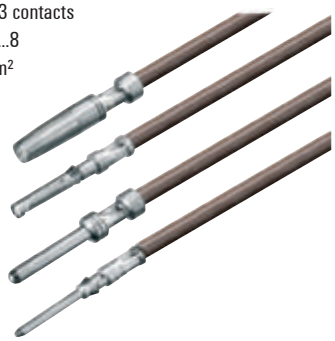
0.14...10 mm²

CTX CM 1.6/2.5

- Turned HD contacts
- Turned HE contacts
- ConCept M10 and M5 contacts
- ~AWG 26...12
- 0.14...4.0 mm²

CTX CM 3.6

- Turned HD contacts
- ConCept M3 contacts
- ~AWG 12...8
- 4.0...10 mm²



CTIN CM 1.6/2.5 / CTIN 3.6

0.14...10 mm²

CTIN CM 1.6/2.5

- Turned HD and HE contacts
- Turned HX contacts
- ConCept M10, M5 and M3 contacts
- 4-indent crimp
- ~AWG 26...10
- 0.14...6.0 mm²

CTIN CM 3.6

- Turned HX contacts
- ConCept M3 contacts
- 4-indent crimp
- ~AWG 16...8
- 1.5...10 mm²

Technical data

Description of contact	CTX CM 1.6/2.5	CTX CM 3.6	CTIN CM 1.6/2.5	CTIN CM 3.6
Type of contact	Turned contacts	Turned contacts	Turned contacts	Turned contacts
Crimping range	0.14 mm²...4 mm²	4 mm²...10 mm²	0.14 mm²...6 mm²	1.5 mm²...10 mm²
Crimping range 1 (with multiple crimping positions)	0.14 mm²...0.5 mm²	4 mm²	0.14 mm²...6 mm²	1.5 mm²...10 mm²
Crimping range 2 (with multiple crimping positions)	0.75 mm²...1 mm²	6 mm²		
Crimping range 3 (with multiple crimping positions)	1.5 mm²	10 mm²		
Crimping range 4 (with multiple crimping positions)	2.5 mm²			
Crimping range 5 (with multiple crimping positions)	4 mm²			
Tool data				
Width	250 mm	250 mm	230 mm	230 mm
Weight	730 g	730 g	1220 g	1220 g
Note				

Ordering data

Version	Type	Qty.	Order No.	Type	Qty.	Order No.
	CTX CM 1.6/2.5	1	9018490000	CTIN CM 1.6/2.5	1	9205430000
	CTX CM 1.6/2.5 ZERT	1	9013690000			
	CTX CM 3.6	1	9018480000	CTIN CM 3.6	1	9205440000
	CTX CM 3.6 ZERT	1	1270320000			
Note	A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue			A large selection of contacts can be found in our current Heavy-duty Connectors Catalogue		

Crimping tools for HighPower

Crimping tools for HighPower 250 A / 550 A

EPG 45 hydraulic battery crimping tool

Type	Order No.
EPG 45	1500830000

Hexagonal crimp inserts for EPG 45

ID number	Cu mm²	Al mm²	AWG	Crimping width, mm	Type	Order No.
5	6		10	7	ES EPG 45 HEX 6	1500930000
6/16	10/70	-/50	8 / 2/0	7/5	ES EPG 45 HEX 10/70	1500940000
8/12	16/35	-/16+25	6 / 2	12/10	ES EPG 45 HEX 16/35	1500950000
10/14	25/50	10/35	4 / 1	12/5	ES EPG 45 HEX 25/50	1500970000
18	95	70	3/0	5	ES EPG 45 HEX 95	1500980000
20	120		4/0	5	ES EPG 45 HEX 120	1500990000
22	150		5/0	5	ES EPG 45 HEX 150	1994540000

HTX-HDC/POF

POF crimping

Crimping of "polymer optical fibre" (POF) fibre-optical contacts.

- For plug and socket
- Ratchet for precise crimping
- Unlocks in case of incorrect operation
- Locator for precise contact positioning

Contacts:

- Fibre-optic cable HD contact socket for Ø1.0 mm POF
- Fibre-optic cable HD contact pin for Ø 1.0 mm POF

Ordering data

Type	Qty.	Order No.
HTX-HDC/POF	1	9010950000

Technical data

Depth	
Weight	438 g

PB LWL/POF / PS LWL/POF

POF polishing

For processing the cut surface of fibre-optic cables with polymer optical fibre (POF).

- Buffing disc (PS LWL/POF)
- Buffing sheet (PB LWL/POF)

Ordering data

Type	Qty.	Order No.
PB LWL/POF	1	9020400000
PS LWL/POF	1	9020390000

LWL-stripax®

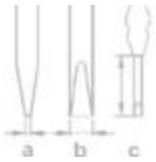
Stripping and cutting tool for plastic fibre-optic cables with 1 mm diameter inner conductor

- Stripping length adjustable via end stop
- Automatic opening of the clamping jaws after stripping

Ordering data

Type	Qty.	Order No.
M-D-STRIPAX LWL	1	9003750000

Uninsulated torque screwdrivers



DMS manual

Torque screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M

Type	Size / AF	a	b	c	Order No.
DMS MANUELL 0,5-1,7					9918370000
DMS MANUELL 2,0-7,0					9918380000

WK S

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5264, ISO 2380/1

WK S 0,4X2,5	0.4	2.5	175	9918520000
WK S 0,5X3,0	0.5	3	175	9918530000
WK S 0,6X3,5	0.6	3.5	175	9918540000
WK S 0,8X4,0	0.8	4	175	9918550000

WK K PZ

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5260-PZ, ISO 8764/1-PZ

WK K PZ1			175	9918610000
WK K PZ2			175	9918620000

WK K PH

Interchangeable bits for torque screwdrivers
Drive output acc. to DIN 5260-PH, ISO 8764/1-PH

WK K PH1			175	9918580000
WK K PH2			175	9918590000

WGK 1/4 C.6.3 E6.3

Interchangeable bit with bit holder for torque screwdrivers
Drive output: 1/4" C6.3 and 1/4" E6.3

Note: matching bits on page F.9

WK 1/4 C6,3 E6,3				9202510000

Screwdrivers

VDE-insulated torque screwdrivers

VDE-insulated torque screwdrivers

VDE-insulated torque screwdriver
EN ISO 6798, BS EN 26789, ASME B107.14M

Type	Size / AF	a	b	Order No.
DMSI MANUELL 0,5-1,7				9918390000
DMSI MANUELL 2,0-7,0				9918400000

Bit holder

WK I SLIM BIT				2489300000

VDE slimBit Schlitz

WB SI SL 0,8X4,0		0.8	4	2433190000
WB SI SL 0.4X2.5		0.4	2.5	2433160000
WB SI SL 0.5X3.0		0.5	3	2433170000
WB SI SL 0.6X3.5		0.6	3.5	2433180000
WB SI SL 1,0X5,5		1	5.5	2433200000

VDE slimBit Phillips

WB IK SL PH1				2433210000
WB IK SL PH2				2433220000

VDE slimBit Pozidrive PZ

WB IK SL PZ1				2433230000
WB IK SL PZ2				2433240000

VDE slimBit Torx

WB I T10				2506000000
WB I T15				2506010000
WB I T20				2506020000

VDE slimBit Robertson

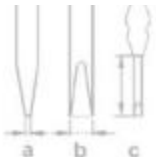
WB I VK 1				2506030000
WB I VK 2				2506040000

VDE slimBit Hex

WB I SK 2.5				2506050000
WB I SK 3				2506060000
WB I SK 4				2506070000
WB I SK 5				2506080000

Uninsulated screwdrivers

Weidmüller screwdriver for general applications.Bit made of high-quality chrome-silicon vanadium steel, matt-chrome finish.



SDS

Slotted screwdriver with rounded blade, SD DIN 5265, DIN ISO 2380, drive output acc. to DIN 5264, DIN ISO 2380/1, ChromTop tip

Type	Size / AF	a	b	c	Order No.
SDS 0.4X2.0X60		0.4	2	60	2749260000
SDS 0.4X2.5X75		0.4	2.5	75	2749320000
SDS 0.5X3.0X80		0.5	3	80	2749330000
SDS 0.6X3.5X100		0.6	3.5	100	2749340000
SDS 0.6X3.5X200		0.6	3.5	200	2749350000
SDS 0.8X4.0X100		0.8	4	100	2749360000
SDS 0.8X4.5X125		0.8	4.5	125	2749370000
SDS 1.0X5.5X150		1	5.5	150	2749380000
SDS 1.2X6.5X150		1.2	6.5	150	2749390000

SDK PH

Crosshead screwdriver, Phillips, SDK PH DIN 5262,
DIN ISO 8764-PH, drive output acc. to DIN ISO 8764-PH, chrome top tip

SDK PH0 X 60				60	2749400000
SDK PH1 X 80				80	2749410000
SDK PH2 X 100				100	2749420000
SDK PH3 X 150				150	2749430000

SDK PZ

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262,
DIN ISO 8764-PZ, drive output acc. to DIN ISO 8764-PZ, chrome top tip

SDK PZ1 X 80				80	2749440000
SDK PZ2 X 100				100	2749450000
SDK PZ3 X 150				150	2749460000

SD TR

Torx® TR-screwdriver with hole in tip of blade (tamper-resistant), SD TR for screwing Torx® and Torx®TR security screws (pin in centre of Torx® recess), ChromTop tip

SD T7 TR X 60				60	2749470000
SD T8 TR X 60				60	2749480000
SD T9 TR X 60				60	2749490000
SD T10 TR X 80				80	2749500000
SD T15 TR X 80				80	2749510000
SD T20 TR X 100				100	2749520000
SD T25 TR X 100				100	2749530000
SD T30 TR X 115				115	2749540000
SD T40 TR X 115				115	2749550000

SD TO

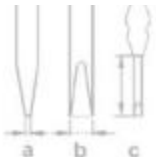
Angled slotted screwdriver with round handle

SD TO 0,4X2,5		0.4	2.5	70	2749570000
SD TO 0,6X3,0		0.6	3	70	2749560000

Screwdrivers

Uninsulated screwdrivers

Weidmüller screwdriver for general applications.Bit made of high-quality chrome-silicon vanadium steel, matt-chrome finish.



SD SK

Hexagon socket wrench external hexagon

Type	Size / AF	a	b	c	Order No.
SD SK 5,5X125					2898920000
SD SK 7,0X125					2898930000
SD SK 8,0X125					2898940000
SD SK 10X125					2898950000
SD SK 13X125					2898960000

SD SET S2.5-5.5/PH1/2

6-piece set: slotted and crosshead PH screwdriver set with circular blades, DIN ISO 2380 und DIN ISO 8764

SDS 0.4X2.5X75	0.4	2.5	75	
SDS 0.5X3.0X80	0.5	3	80	
SDS 0.8X4.0X100	0.8	4	100	
SDS 1.0X5.5X150	1	5.5	150	
SDK PH1 X 80			80	
SDK PH2 X 100			100	
SD SET S2.5-5.5/PH1/2				2749200000

SD SET S2.0-5.5

6-piece set: slotted screwdriver set, DIN ISO 2380

SDS 0.4X2.0X60	0.4	2	60	
SDS 0.4X2.5X75	0.4	2.5	75	
SDS 0.5X3.0X80	0.5	3	80	
SDS 0.6X3.5X100	0.6	3.5	100	
SDS 0.8X4.0X100	0.8	4	100	
SDS 1.0X5.5X150	1	5.5	150	
SD SET S2.0-5.5				2749220000

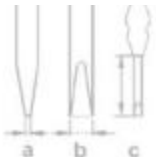
SD Set T10/15/20/25/30/40 TR

6-piece set: Torx® TR screwdriver set

SD T10 TR X 80			80	
SD T15 TR X 80			80	
SD T20 TR X 100			100	
SD T25 TR X 100			100	
SD T30 TR X 115			115	
SD T40 TR X 115			115	
SD SET T10/15/20/25/30/40 TR				2749230000

Uninsulated screwdrivers

Weidmüller screwdriver for general applications.Bit made of high-quality chrome-silicon vanadium steel, matt-chrome finish.



Type	Size / AF	a	b	c	Order No.
SD SK SET 5,5-13X125					2898970000

SD SK SET 5.5-13x125

Hexagon socket wrench external hexagon

Screwdrivers

Pico screwdrivers

SD EL S PICO

Weidmüller precision screwdriver, slotted

Type	Size / AF	a	b	c	Order No.
SD EL 0.3X1.5X40 PICO		0.3	1.5	40	2750060000
SD EL 0.4X2.0X60 PICO		0.4	2	60	2750070000
SD EL 0.4X2.5X75 PICO		0.4	2.5	75	2750080000
SD EL 0.5X3.0X75 PICO		0.5	3	75	2750090000
SD EL 0,6X3,5X100 PICO		0.6	3.5	100	2750100000
SD EL 0.8X4.0X100 PICO		0.8	4	100	2750110000
SD EL 0,6X3,5X60 PICO					2898980000

SD EL PZ PICO

Weidmüller precision screwdriver, cross recess type Pozidriv, PZ 8764

SDK EL PZ0 X 60 PICO				60	2750120000
SDK EL PZ1 X 80 PICO				80	2750130000

SD EL PH PICO

Weidmüller precision screwdriver, cross recess type Phillips, PH 8764

SDK EL PH0 X 60 PICO				60	2750140000
SDK EL PH1 X 80 PICO				80	2750150000

SD EL SET 1.5-4.0/PH0/1

7-piece set: Precision screwdriver slotted and cross-slotted PH

SD EL 0.3X1.5X40 PICO	0.3	1.5	40	
SD EL 0.4X2.0X60 PICO	0.4	2	60	
SD EL 0.4X2.5X75 PICO	0.4	2.5	75	
SD EL 0.5X3.0X75 PICO	0.5	3	75	
SD EL 0.8X4.0X100 PICO	0.8	4	100	
SDK EL PH0 X 60 PICO			60	
SDK EL PH1 X 80 PICO			80	
SD EL SET 1.5-4.0/PH0/1				2750160000

Weidmüller Allen key set

Socket wrench manufactured from through-hardened chromium-vanadium steel, manufactured according to DIN ISO 2936 L (DIN 911), high-quality finished surface.

SK WSD S

9-piece offset Allen key set in the Prostar, with MagicRing:
tightly holds standard screws in any position thanks to its spring steel ring (up to size 3), with ball head for screwing up to an angle of 25°.

Type	Size / AF	a	b	c	Order No.
	1.5				
	2				
	2.5				
	3				
	4				
	5				
	6				
	8				
	10				
SK WSD-S 1,5-10,0					**9008850000**

SK S

7-piece Allen key set

SKS 2,0-8,0					**9008860000**

SK S MR

7-piece Allen key set with ball head and MagicRing: holds standard screws (size 3 and larger) in any position thanks to its spring steel ring,
with ball head for screwing up to an angle of 25°.

SKS 2,0-8,0 MR					**9008870000**

TH S

8-piece Torx®-TH Allen key set with hole in the bit tip (tamper-resistant), for screwing Torx® and Torx®-TH security screws (pin in centre of Torx® recess)

TH-S 9-40					**9008880000**

Removal Tool CM3, CM5, HD

Removal tool HD

CM3 Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM3 module
CM5 Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM5 module
HD Removal Tool
Contact release tool for freeing crimp contacts in the Concept CM10 module

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL CM 3	1	1866710000
REMOVAL TOOL CM 5	1	1866720000
REMOVAL TOOL HD	1	1866730000

Removal Tool CM20

Removal Tool CM 20

Contact release tool for freeing crimp contacts in the Concept CM20 module

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL CM 20	1	1866740000

Removal Tool HE

Removal Tool HE

Contact release tool for the ConCept HE module and for releasing crimp contacts in the ConCept CM4 module

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL HE	1	1866750000

Removal Tool MHP

Contact release tool

Ordering data

Type	Qty.	Order No.
HDC MHP100 REMOVAL TOOL	1	1480380000
HDC MHP200 REMOVAL TOOL	1	2617240000

Removal Tool AFK

Contact release tool for loosening FEKO ZRV contacts.

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL AFK	1	1866760000

Removal Tool HS

Contact release tool for the ModuPlug HS module.

Ordering data

Type	Qty.	Order No.
REMOVAL TOOL HS	1	3131280000

Replacement sleeve for contact release tool

Ordering data

Type	Qty.	Order No.
HUELSE REMOVAL TOOL HD	5	1044100000
HÜLSE REMOVAL TOOL CM 3	5	1044080000
HÜLSE REMOVAL TOOL CM 5	5	1044090000

CA 100/10

4...10 mm²

The CA 100/10 is an electropneumatic powered automatic stripper and crimper for time-saving and rational processing of loose wire end ferrules. It has been developed for the assembly of medium series cables in stationary areas. The automatic machines feature quick and easy handling.

- Stripping and crimping in one operation
- Electropneumatic drive
- Stripping and crimping in a range of 4 to 10 mm² (AWG 12 – 8)
- Processing of wire end ferrules of various crimping length
- Quick and easy retooling
- Oscillating conveyor to hold loose wire end ferrules
- Optional processing of wire end ferrules without plastic collar possible

Technical data

	CA 100/10
Crimping range	4 ... 10 mm² (AWG 12...8) (with usage of the respective tool set)
Crimping lengths	6...18 mm
Connection	100 - 240 V / 50 - 60 Hz / 100 VA
Drive	Electropneumatic
Compressed-air connection	5 - 5.5 bar
Pulse time	approx. 2.5 sec.
Crimping	Trapezoidal crimp
Dimensions W x D x H (mm)	530 x 400 x 460
Weight	40 kg
Options	Quadrocrimp tool: for a perfectly square four-sided crimp

Ordering data

Type	Qty.	Order No.
CA 100/10	1	on request

Note on ordering

In order to precisely determine the required conversion tool, you will need the exact specifications for both the wire end ferrules being processed and the cables being processed.

We can send you a detailed offer upon request. Ferrules see chapter K

CA Indent

0.14...2.5 mm²

The CA Indent is an electro-pneumatic-driven automatic stripper and crimper for processing loose-packed, turned male and female contacts. The contacts are fed automatically via an oscillating conveyor set-up. Conductors and contacts in the 0.34 ... 2.5 mm² range (AWG 22 to 14) can be crimped normally with a indent crimp shape, in compliance with MIL C-22520/1-01. The settings for stripping and crimp depth are motor- driven. The values can be saved in 50 different programs. The keyboard is used for configuration and programming. Important data, functions and errors are shown on the LCD display. With the help of the appropriate tools, the automatic crimper may be converted to various contacts and/or conductors.

- Stripping and crimping in one operation
- Electro-pneumatic drive
- Strips and crimps 0.14 - 2.5 mm² (AWG 26-14)
- Processes loose twisted pin and socket contacts
- Weidmüller HDC-C-HD/HE contacts further contacts on request
- Rapid and simple change-over
- Vibration-feeder takes 500 loose machined contacts
- Indent crimp conforms with MIL C-22520/1-01
- Program memory for 50 contact variations
- Stripping and crimping dimensions adjusted by means of electric motor

Technical data

	CA Indent
Stripping range	0.14 ... 2.5 mm² / (AWG 26-14)
Connection	100 - 240 V / 50 - 60 Hz / 185 VA
Drive	pneumatic
Compressed air connection	5 - 5.5 bar
Processing time	approx. 2,5 s
Size W x D x H	450 x 490 x 420
Weight	40 kg

Ordering data

Type	Qty.	Order No.
CA Indent	1	on request

Note on ordering

The machine is set up using sample contacts to suit the user's requirements. For this we need the name of the manufacturer, the type designation and the cross-sections of the contacts.

Detailed quotation available on request. Additional accessories can be found in our Heavy-Duty Connectors Catalogue.

Cable entries

Weidmüller offers a variety of add-on components for a multitude of purposes and applications to complement its extensive Klippon® Protect range.

In addition to brass, plastic and stainless steel cable glands, there are also sealing plugs, pressure-equalising elements, adapters and relevant accessories – such as lock nuts, flat gaskets, flat washers and earthing rings – available.

To match the assembled enclosures, the cable glands meet the requirements of IP protection classes IP54 to IP69K. They can be used in standard industrial applications, EMC applications or even in potentially explosive atmospheres as required, and they comply with the approvals required for these purposes.

Ex-certified cable glands also allow for the connection of cables and conductors with different reinforcements with and without lead sheathing, as well as the connection of steel wire and steel tape cables. They can also be used in a temperature range of between -50 °C and +120 °C.

Depending on the cable gland variants and application, the cable glands, sealing plugs, adaptors, pressure-equalising elements and accessories are manufactured and certified according to the following standards:

- IEC/EN 62444 (construction and performance)
- IEC/EN 60529 (IP protection class testing)
- IEC/EN 60079-0 (general Ex requirements)
- IEC/EN 60079-1 (Ex d Ex standard)
- IEC/EN 60079-7 (Ex e Ex standard)
- IEC/EN 60079-11 (Ex i Ex standard)
- IEC/EN 60423 (metric screw thread)
- DIN 40430 (PG and NPT thread)

The range of cable glands, sealing plugs and pressure-equalising elements is available in metric (M) and high-strength (PG) threads in sizes ranging from M12 to M75 and PG7 to PG48. When choosing cable glands and sealing plugs, please refer to the table with the sealing characteristics of the O-rings, flat gaskets and seal inserts. O-rings and flat gaskets are always intended for sealing the connecting thread on an enclosure, for example, while the sealing insert of each cable gland is intended for actually sealing and clamping the connecting cable.

You can find this product family
in our Weidmüller Configurator:
www.weidmueller.com/wmc

You should always observe the maximum drill-hole diameter when installing a cable gland, sealing plug, adaptor, or pressure compensation element (e.g. onto the gland plate of an enclosure). These must not exceed the following specified maximum values / tolerances so that the protection degree of the whole enclosure can be guaranteed.
Please also refer to the instruction manual; deviating information is possible.

Through-hole information

M thread	Through-hole, in mm
M 12	12.2
M 16	16.2
M 20	20.2
M 25	25.2
M 32	32.2
M 40	40.2
M 50	50.2
M 63	63.2
M 75	75.2
PG thread	**Through-hole, in mm**
PG 7	12.4
PG 9	15.1
PG 11	18.5
PG 13.5	20.4
PG 16	22.5
PG 21	28.3
PG 29	37.4
PG 36	47.2
PG 42	54.2
PG 48	59.5

Overview of sealing materials for O-rings, flat gaskets as well as seal inserts

Abbreviation	Material	Trade name	Temperature range	Chemical resistance	Fire resistant	Shore	Free from halogens	UV resistance
TPE	Thermo-plastic elastomer	Santroprene	–40 °C to +130 °C	Hydrocarbons, oils, acids	UL94, HB	64	Yes	very good
CR	Chloroprene rubber	Neoprene	–40 °C to +130 °C	Mineral oils, greases, fuels	very good	40 - 90	No	very good
NBR	Nitrile rubber	Perbunan, Nitrile	–40 °C to +130 °C	Hydrocarbons, oils, acids, aliphatic solvents, greases, fuels	weak	40 - 90	No	good
EPDM	Ethylene-propylene-diene rubber	Keltan	–50 °C to +130 °C	Weather-, grease-, mineral oil-, chlorine-,and ozone resistant, hydrocarbons	weak	20 - 90		very good
FPM	Fluoro-rubber	Viton	–25 °C to +200 °C	ozone, oxygen, mineral oils, synthetic hydraulic fluids, fuels, aromatics, many organic solvents and chemicals	weak	65 - 95		good

Note: The data refer only to the sealing material, not to the entire component.

Abbreviations – technical data

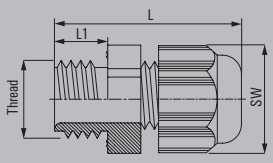
A, L	Length in mm
L1	Length of thread in mm
D	Diameter in mm
S	Thickness in mm
S1,S2	Depth in mm
SW, SW1, SW2	Distance across flats in mm
KB	Clamping range in mm
KB ZE	Clamping range strain relief in mm
Thread	External thread
SUHB	Shroud / Protective cap
DR	Tightening torque in Nm
HM	Cap nut / pressure screw
Qty.	Packing unit in pieces

Product designation

VP HEX	Sealing plugs with hexagon head
A2L	Ex Cable gland
A2LC	Ex Cable gland with conduit connection thread
E1W	Ex Cable Gland with double sealing for SWA armoured cable
E1XZ	Ex Cable Gland with double sealing for SWB/STA armoured cable
VG	Cable gland
VP	Sealing plugs
SKMU	Hexagon nut
DAE	Pressure compensation element
BD	Breather drain (compensation element)
SZS	Serrated Star Washers (Serrated washers)
ZE	Strain relief
EMV	Electromagnetic compatibility
EA	Earthing ring
SKS	Spiral kink protection
GWDR	Thread sealing ring or flat gasket

Cable glands – Plastic – IP68

Cable gland made of plastic with integrated strain relief for industrial applications where IP67 or IP68 protection is required. Tested and approved according to EN 62444 and UL514B.



Technical data

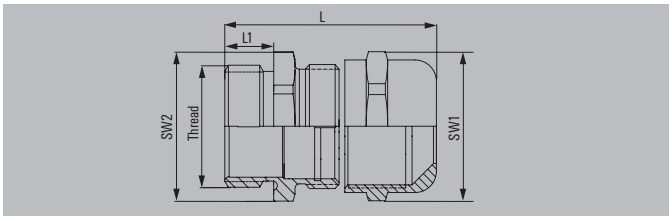
Material / Colour	Polyamide 6 / Light Grey / RAL 7035
Seal insert	CR
Temperature range	-40 °C...100 °C
Protection class	IP67, IP68 - 5 bar (30 min.)
Flammability rating	V-2
Note	Version with moulded sealing lip. Length L varies depending on the cable diameter used.

Ordering data

Type	Thread	KB	L/L1	SW	Qty.	Order No.
metric						
VG M12-1/K68	M 12	3-6.5	30.5 / 8	15	100	**1772280000**
VG M16-1/K68	M 16	4-8	34.5 / 8	19	50	**1909860000**
VG M16 - K 68	M 16	5-10	40 / 10	22	50	**1772290000**
VG M20-1/K68	M 20	6-12	39.5 / 10	24	50	**1772300000**
VG M20 - K 68	M 20	10-14	41 / 10	27	50	**2811470000**
VG M25-1/K68	M 25	11-17	43 / 8	29	50	**1909870000**
VG M25 - K 68	M 25	13-18	47 / 10	33	25	**1772310000**
VG M32-1/K68	M 32	15-21	52 / 10	36	20	**1909880000**
VG M32 - K 68	M 32	18-25	56 / 15	42	20	**1772320000**
VG M40-1/K68	M 40	19-28	57 / 10	46	10	**1909890000**
VG M40 - K 68	M 40	22-32	69.5 / 18	53	10	**1772330000**
VG M50 - K 68	M 50	30-38	71 / 18	60	10	**1772340000**
VG M63-1/K68	M 63	34-44	71 / 18	65	10	**1772350000**
PG						
VG 7-K68	PG 7	3-6.5	30 / 8	15	100	**1568970000**
VG 9-K68	PG 9	4-8	34.5 / 8	19	50	**1568980000**
VG 11-K68	PG 11	5-10	37 / 8	22	50	**1568990000**
VG 13.5-K68	PG 13.5	6-12	39 / 10	24	50	**1569000000**
VG 16-K68	PG 16	10-14	41 / 10	27	50	**1569010000**
VG 21-K68	PG 21	13-18	48 / 11	33	25	**1569020000**
VG 29-K68	PG 29	18-25	52 / 11	42	20	**1569030000**
VG 36-K68	PG 36	22-32	64.5 / 13	53	10	**1569040000**
Note	Long-thread version on request, halogen-free without sealing ring. Installation specifications and tightening torques can be found in the installation instructions. For further information please use our online catalogue: eshop.weidmueller.com.					

Cable glands – Brass – IP68

Cable gland made of brass for industrial applications where IP68 or IP69K protection is required.



Technical data

Material	Brass, nickel-plated
O-ring / Seal insert	NBR / CR
Temperature range	-40 °C...100 °C
Clamp insert	Polyamide
Protection degree with GWDR	IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K
Note	Length "L" varies depending on the cable diameter used; IP69K protection applies to all metric cable glands; the following thread sizes are excluded from IP69K: PG29, PG36, PG42 and PG48.

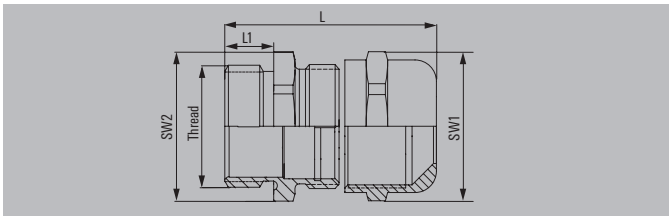
Ordering data

Type	Thread	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VG M12 - MS 68	M 12	3-6.5	28 / 6	14 / 14	50	**1772200000**
VG M16 - MS 68	M 16	4-8	30 / 7	17 / 18	50	**1772210000**
VG M16-1/MS68	M 16	5-10	35.5 / 7	20 / 20	50	**1909910000**
VG M20 - MS 68	M 20	6-12	34.5 / 8	22 / 22	50	**1772220000**
VG M25 - MS 68	M 25	10-14	35.7 / 8	24 / 27	25	**1772230000**
VG M25-1/MS68	M 25	11-17	40.5 / 8	27 / 27	25	**1909920000**
VG M32 - MS 68	M 32	13-18	42 / 9	30 / 34	10	**1772240000**
VG M32-1/MS68	M 32	15-21	44 / 8	34 / 34	10	**1909930000**
VG M40 - MS 68	M 40	18-25	47 / 9	40 / 43	10	**1772250000**
VG M40-1/MS68	M 40	19-28	52.5 / 9	43 / 43	10	**1909940000**
VG M50 - MS 68	M 50	22-32	57 / 9	50 / 55	5	**1772260000**
VG M50-1/MS68	M 50	27-38	61 / 9	58 / 58	5	**1909950000**
VG M63 - MS 68	M 63	34-44	67 / 14	64 / 68	5	**1772270000**
PG (IP69K)						
VG 7-MS68	PG 7	3-6.5	28 / 6	14 / 14	50	**1569060000**
VG 9-MS68	PG 9	4-8	29.5 / 6	17 / 17	50	**1569070000**
VG 11-MS68	PG 11	5-10	32 / 6	20 / 20	50	**1569080000**
VG 13,5-MS68	PG 13.5	6-12	31 / 6.5	22 / 22	50	**1569090000**
VG 16-MS68	PG 16	10-14	34.5 / 6.5	24 / 24	25	**1569100000**
VG 21-MS68	PG 21	13-18	39.7 / 7.2	30 / 30	25	**1569110000**
PG (IP68)						
VG 29-MS68	PG 29	18-25	46.5 / 8	40 / 40	10	**1569120000**
VG 36-MS68	PG 36	22-32	57 / 9	50 / 50	5	**1569130000**
Note	Long-thread version on request VDE for metric version Installation specifications and tightening torques can be found in the installation instructions. For further information please use our online catalogue: eshop.weidmueller.com.					

Cable glands – Brass – IP68

EN 45545

Cable gland made of brass with spherical sealing insert which squeezes the cable gently over a large area. This cable gland is suitable for railway applications; its sealing material conforms to the requirements of EN 45545.



Technical data

Material	Brass, nickel-plated
O-Ring / Seal insert	NBR / T80s
Temperature range	-40 °C ... 130 °C
Protection class	IP68 - 15 bar
Note	

Ordering data

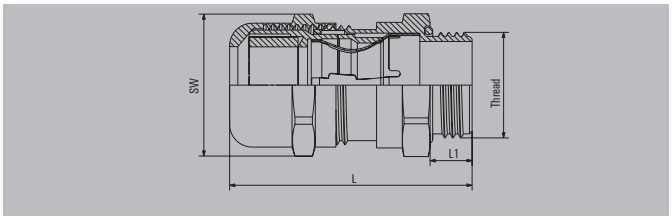
Type	Thread	KB	L/L1	SW	Qty.	Order No.
VGM25-MS68 11-20 BG	M 25	11-20	36.5 / 7.5	30	50	**1193600000**
VGM32-MS68 15-25 BG	M 32	15-25	40 / 8	36	25	**1193610000**
VGM40-MS68 20-32 BG	M 40	20-32	43 / 8	45	10	**1193620000**
VGM40/1-MS68 20-32 BG	M 40	20-32	82 / 8	45	10	**1205890000**

Note

When using mounting covers with 3 X M 40 cable input threads, the elongated version must be used for the cable gland in the middle.
Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: catalog.weidmueller.com

Cable glands – Brass – EMC–4

Cable gland made of brass with EMC contact system for the particularly time-saving installation of shielded cables. It is characterised by the following features: very low installation effort, vibration-resistant and patented active contact system.



Technical data

Material	Brass, nickel-plated
O-Ring / Seal insert	NBR / CR
Temperature range	-40 °C...100 °C
Protection class	IP66, IP68 - 5 bar (30 min.), IP69K
Clamp insert	Polyamide
Note	

Ordering data

Type	Thread	KB	Shield Ø	L/L1	SW	Qty.	Order No.
VG M12 EMV-4 MS 3-6.5	M 12	3-6.5	2.00-5.00	34 / 6	14	50	**2435070000**
VG M16 EMV-4 MS 5-10	M 16	5-10	3.50-8.00	39 / 6	20	50	**2435140000**
VG M20 EMV-4 MS 6-12	M 20	6-12	4.50-10.00	38 / 6	22	50	**2435150000**
VG M20 EMV-4 MS 8-14	M 20	7.5-14	5.50-11.50	48 / 8	24	50	**2435160000**
VG M25 EMV-4 MS 10-18	M 25	10-18	7.00-14.00	51 / 8	30	25	**2435170000**
VG M32 EMV-4 MS 16-25	M 32	16-25	12.00-20.00	62 / 9	40	10	**2435180000**
VG M40 EMV-4 MS 22-32	M 40	22-32	18.00-27.00	69.5 / 9	50	5	**2435190000**

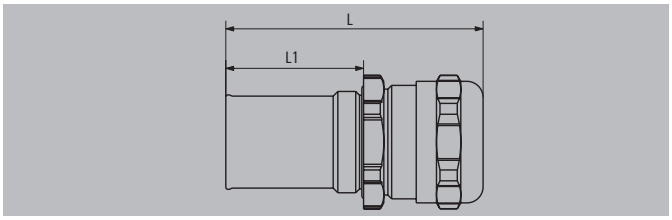
Note

Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Cable glands – Brass – EMC SET

EN 45545

Cable gland made of brass for internal shield connection or potential equalisation; easy-to-use, permanent, secure shield connection. This cable gland is suitable for railway applications; its sealing material meets the requirements of EN 45545.



Technical data

Material	Brass, nickel-plated
O-Ring / Seal insert	NBR / T80s
Temperature range	-40 °C ... 130 °C
Protection class	IP68 - 15 bar
Note	

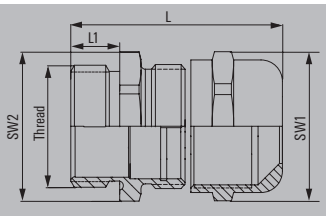
Ordering data

Type	Thread	KB	L/L1	SW	Qty.	Order No.
VGM25-MS68 EMC 11-20SET	M 25	11-20	63.5 / 7.5	30	1	**1463720000**
VGM32-MS68 EMC 15-25SET	M 32	15-25	66.5 / 8	36	1	**1463730000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Cable glands – Stainless steel – IP68

Cable gland made of stainless steel for standard industrial applications that require a high degree of protection (IP68 or IP69K). These cable glands – with their resistance to impact and sea water – are also suitable for use in applications under extreme environmental conditions.



Technical data

Material	Stainless steel 1.4305 (303)
O-Ring / Seal insert	NBR / CR
Temperature range	-40 °C...100 °C
Protection class	IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K
Note	

Ordering data

Type	Thread	KB	L/L1	SW1/SW2	Qty.	Order No.
metric						
VGM12-SS 68 KB 3-6.5	M 12	3-6.5	28 / 6	14 / 14	50	**1009840000**
VGM16-SS 68 KB 4-8	M 16	4-8	30 / 7	17 / 19	50	**1009850000**
VGM20-SS 68 KB 6-12	M 20	6-12	32 / 8	22 / 22	50	**1009860000**
VGM25-SS 68 KB 10-14	M 25	10-14	35.5 / 8	24 / 27	25	**1009870000**
VGM32-SS 68 KB 13-18	M 32	13-18	41.5 / 9	30 / 36	20	**1009880000**
VGM40-SS 68 KB 18-25	M 40	18-25	49.6 / 9	41 / 46	20	**1009890000**
VGM50-SS 68 KB 22-32	M 50	22-32	55 / 9	50 / 55	5	**1009900000**

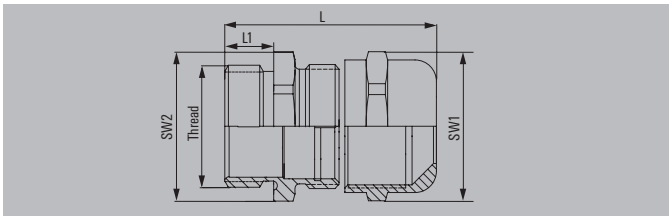
Note

1.4404 (316L) on request.
Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Cable gland – Stainless steel – IP68

EN 45545

Cable gland with spherical seal insert that squeezes the cable gently over a large area. This cable gland is suitable for railway applications; its sealing material meets the requirements of EN 45545.



Technical data

Material	Stainless steel 1.4305 (303)
O-Ring / Seal insert	Silicone / T80s
Temperature range	-40 °C ... 130 °C
Protection class	IP68 - 15 bar
Note	

Ordering data

Type	Thread	KB	L/L1	SW	Qty.	Order No.
VGM25-SS68 11-20 BG	M 25	11-20	36.5 / 7.5	30	50	**1193570000**
VGM32-SS68 15-25 BG	M 32	15-25	40 / 8	36	25	**1193580000**
VGM40-SS68 20-32 BG	M 40	20-32	43 / 8	45	10	**1193590000**
VGM40/1-SS68 20-32 BG	M 40	20-32	82 / 8	45	10	**1205920000**

Note

When using mounting covers with 3 X M 40 cable input threads, the elongated version must be used for the cable gland in the middle.
Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: catalog.weidmueller.com

HQ cable glands

Cable gland especially for heavy-duty connectors of the HQ series, available in plastic, brass and as brass EMC version.

Technical data

Material	Polycarbonate
Seal insert	TPE
Temperature range	-20 °C ... 100 °C
Protection class	IP68
Note	

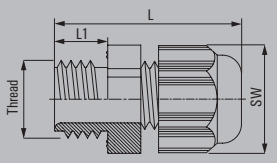
Ordering data

Type	Thread	KB	SW	Qty.	Order No.
Plastic					
VG 16 HQ K68 4-6.5	PG 16	4-6.5	27	1	**2715990000**
VG 16 HQ K68 6.5-9.5	PG 16	6.5-9.5	27	1	**1273890000**
VG 16 HQ K68 9-13	PG 16	9-13	27	1	**1016070000**
VG 16 HQ K68 11.5-15.5	PG 16	11.5-15.5	27	1	**1016080000**
brass					
VG 21 HQ MS68 9-13	PG 21	9-13	30	1	**1016090000**
VG 21 HQ MS68 11.5-15.5	PG 21	11.5-15.5	30	1	**1016100000**
VG 21 HQ MS68 14-18	PG 21	14-18	30	1	**1016110000**
EMC					
VG 21 HQ EMV68 11-15.5	PG 21	11-15.5	30	1	**1016120000**
VG 21 HQ EMV68 14-18	PG 21	14-18	30	1	**1016130000**
only for angled HQ base enclosure (order number 1003110000)					
VG16 HQ K68 9-12SH	PG 16	9-12	30	50	**1045530000**
VG16 HQ K68 11,5-15,5SH	PG 16	11.5-15.5	30	1	**1045540000**

Note Installation specifications and tightening torques can be found in the installation instructions.
For further information please use our online catalogue: eshop.weidmueller.com.

Ex cable glands – Plastic – Ex e, Ex i, IP66 / IP68, 7J, –60°C – +70°C

Plastic cable gland for Ex applications with integrated strain relief, especially for Ex e and Ex i applications with silicone seal and 7 Joule impact resistance. Complete with integral membrane seal for clean transportation and storage.



Technical data

Material	Polyamide 6
Temperature range	-60 °C...70 °C
Seal insert	Silicone
Protection class	IP54, IP66, IP67, IP68 - 5 bar (30 min.)
Impact resistance	7 joules in acc. with IEC 60079-0
Marking	Ex eb IIC Gb, Ex tb IIIC Db IP66/68
Note	Length "L" depends on the cable diameter used.

Ordering data

Type	Thread	KB	L/L1	SW	Qty.	Order No.
Ex i, light blue, deep black						
VG M12 EXI 4-6.5 SI7J G4	M 12	4-6.5 mm	22 / 10 mm	15 mm	100	**2722350000**
VG M16 EXI 5-8 SI7J G4	M 16	5-8 mm	26 / 10 mm	19 mm	50	**2722360000**
VG M16 EXI 6-10 SI7J G4	M 16	6-10 mm	29.5 / 10 mm	22 mm	50	**2722370000**
VG M20 EXI 7-12 SI7J G4	M 20	7-12 mm	30 / 10 mm	24 mm	50	**2722380000**
VG M20 EXI 7-13 SI7J G4	M 20	7-13 mm	33 / 10 mm	25 mm	50	**2722390000**
VG M20 EXI 11-14 SI7J G4	M 20	11-14 mm	30 / 10 mm	27 mm	50	**2722400000**
VG M25 EXI 12-17 SI7J G4	M 25	12-17 mm	34 / 10 mm	29 mm	50	**2722410000**
VG M25 EXI 14-18 SI7J G4	M 25	14-18 mm	35 / 10 mm	33 mm	25	**2722420000**
VG M32 EXI 16-21 SI7J G4	M 32	16-21 mm	42 / 10 mm	36 mm	25	**2722430000**
VG M32 EXI 19-25 SI7J G4	M 32	19-25 mm	40.5 / 15 mm	42 mm	20	**2722440000**
VG M40 EXI 20-28 SI7J G4	M 40	20-28 mm	46 / 10 mm	46 mm	15	**2722450000**
VG M40 EXI 23-32 SI7J G4	M 40	23-32 mm	50 / 18 mm	53 mm	10	**2722460000**
Note	Installation specifications and tightening torques can be found in the installation instructions. For further information please use our online catalogue: eshop.weidmueller.com					

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	Support Center	V.4
	Additional support services	V.5
	easyConnect – Your Industrial Service Platform	V.6
	Digital Engineering: Digital planning with Weidmüller product data, interfaces and software solutions	V.8
	Connectivity Consulting: A long-term increase in efficiency through partnership-based exchange	V.9
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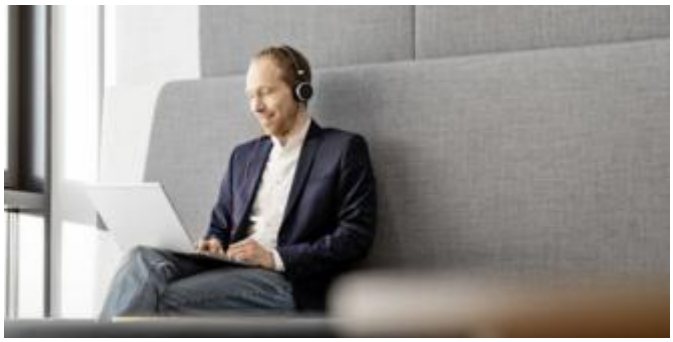

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Your ticket to the world of digital service
easyConnect – Your Industrial Service Platform

Our cloud-based platform is your ticket to the world of digital services from Weidmüller, and the intuitive and future-proof tool for your way to the Industrial IoT. Realise your use cases easily, consistently and without any relevant prior knowledge, thanks to the perfect interaction of platform, devices and diverse software services.

As an open, modular and perfectly integrable system, the platform is your enabler for a wide range of use cases. Increase your efficiency and unleash your full innovation potential with easyConnect.

Interested in using easyConnect?
Learn how to get started with easyConnect step-by-step.
www.weidmueller.com/easyconnect

Why should you use easyConnect?

- You want to enter your digital transformation step-by-step?
- You want to make the step into Industrial IOT, but have no or little IT expertise?
- You want to use your digital data for smart & scalable services?
- You want to offer digital services (such as customised dashboard) to your customers?
- You want to improve your service offering and efficiency, e.g. through remote access?
- You feel Weidmüller's digital services are interesting, but you have „your cloud" already?

Weidmüller comes up with the solution: easyConnect, the new digitalisation platform. It bundles Weidmüller's digital services at one place in the cloud and connects them with various Weidmüller devices.

With easyConnect you start digitalising your application step-by-step without ballast in a secure way.

The following services are initially available on easyConnect:

Device management
Adding and managing cloud-connected devices is typically the first step in any Industrial IoT use case.

Asset management
The asset management service is a modelling tool that allows users to model their assets and processes and link them to relevant time series data.

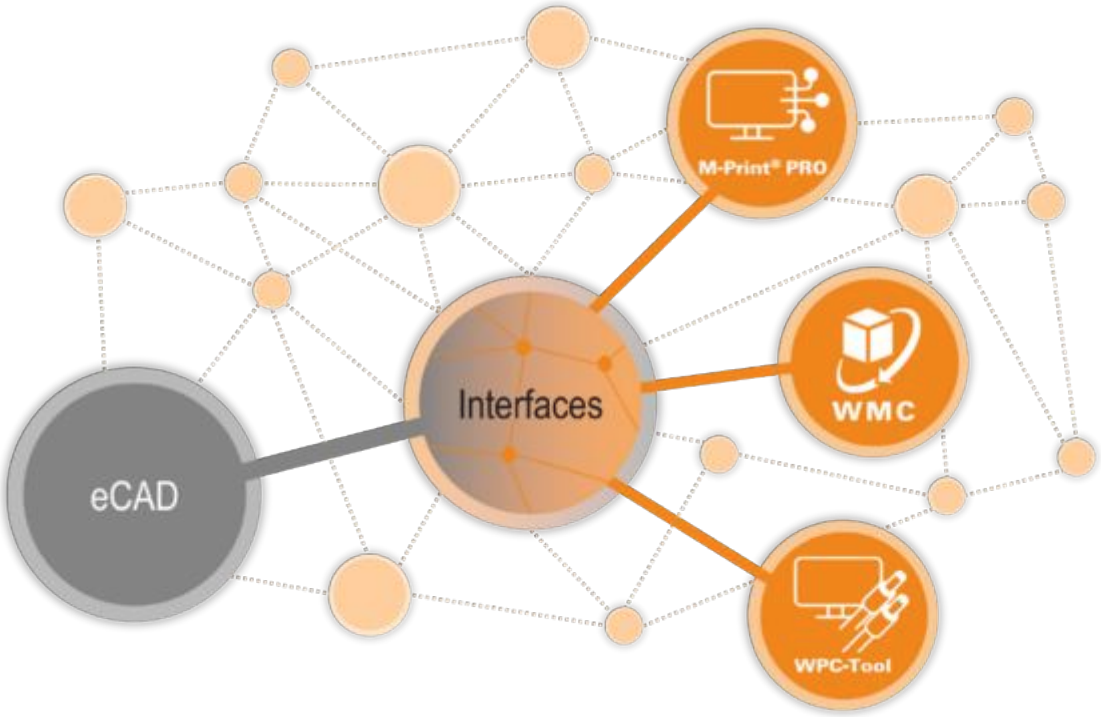
Remote access (u-link)
u-link guarantees a quick and secure access to machines and plants while also allowing for efficient management.

Data visualisation
easyConnect data visualisation services enable users to view, monitor and display live and historical data.

AutoML
With Weidmüller Industrial AutoML, you can optimize operations, increase product quality and develop new business models by benefiting from advanced analytics.

Digital Engineering

Digital planning with Weidmüller product data, interfaces and software solutions



You want to be optimally supported in all steps of the electrical design process, from planning to production? Weidmüller offers you support as best as possible!

Your advantages:

- **Processes are digitized, time is saved and sources of errors are eliminated –** With Weidmüller software solutions for terminal strip and housing configuration (WMC), component marking (M-Print® PRO) and cable assembly (WPC-Tool), you are perfectly prepared for all project phases in electrical design and control cabinet construction.
- **Potential sources of error are eliminated and your productivity is increased –** High-performance interfaces enable a complete data consistency from the planning to the commissioning process.
- **A simple, safe and fast design process –** Weidmüller provides digital product data for a variety of engineering systems. The data is always compliant with the latest system provider standard.

Find out more about digital engineering
www.weidmueller.com/digital_engineering

Connectivity Consulting

Counteracting the shortage of skilled workers with Connectivity Consulting

Are you looking for innovative, sustainable and value-adding solutions for your individual requirements? Weidmüller offers you support with experienced experts for products, solutions and services in the industrial environment of energy, signals and data!

Your advantages:

- **Increasing efficiency and quality in cabinet building –** Weidmüller offers you customized solutions to make your cabinet building fit for purpose. From design optimization and process automation to digital planning and commissioning. Every single work step offers opportunities for optimization.
- **Benefit from the practical experience of the experts –** Weidmüller's connectivity consulting experts have acquired practical specialist knowledge in many international projects.
- **Support in the implementation process –** From analysis to implementation: Our experts support you with all measures.

Find out more about Connectivity Consulting
www.weidmueller.com/connectivity-consulting

Boost Your Efficiency from Engineering to Production

Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering

Digital engineering can be so easy – with the Weidmüller Configurator!
Discover the Weidmüller Configurator (WMC) – your free software solution that guides you through the entire value chain, all the way to production.

With access to nearly 14,000 digital products, the WMC provides an extensive range for configuring terminal strips, processed empty enclosures, and ready-to-connect terminal boxes. This includes over 10,500 products for terminal strip configurations, approximately 2,200 products for terminal box configurations, and around 1,200 products for configuring our heavy-duty connectors.

Your Benefits with the Well-Known WMC:

- **Seamless Engineering** – Import your circuit diagrams and terminal strips effortlessly with a single click directly from your engineering system into the WMC. Our interfaces enable continuous data flows, saving you valuable time, minimizing errors, and ensuring smooth project execution.
- **Optimized Production** – The WMC supports you on the shop floor, helping you assemble the required configurations yourself. Especially in times of skilled labor shortages, the WMC makes your production more efficient. With its user-friendly interface, 3D and touch functions, it eases the workload for your employees.

All information about the software can be found here:
www.weidmueller.com/wmc

New Online Configurator – Experience the Future of Digital Engineering

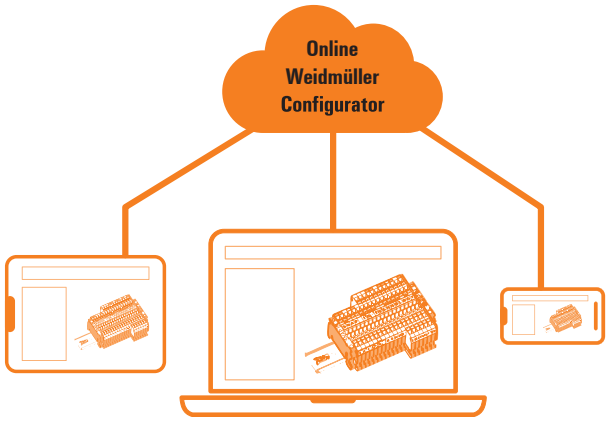
Configure. Share. Access anywhere.

Online Weidmüller Configurator
From November 2025

Online & Ready to Go: No installation required – use the Online Configurator directly in your browser. Access it flexibly from any device, whether PC or tablet, in the office or on the go. Your production will have a read-only view mode to ensure the security and consistency of your configurations.

Intelligent Optimization with a single Click: Reduce the width of your terminal strip with just one click – no product knowledge needed. Easily switch connection technologies, for example, from screw to PUSH IN or even to our innovative SNAP IN technology. Or take it a step further and transform your configured rail directly for labeling with the Klippon® Automated RailLaser.

Easy Transition – Seamlessly Integrated: Thanks to the integrated cloud upload function, you can transfer your existing terminal strip configurations from the WMC with just one click.



Start online now!
Configure anywhere, anytime and online.
configurator.weidmueller.com

Fast Delivery with Both Configurators:

Whether you use the WMC or the Online Configurator – individually configured mounting rails (and enclosures in the WMC) can be directly transferred to the "Fast Delivery Service." You will receive ready-to-install solutions in the shortest possible time. This combines maximum customization with minimal delivery time, allowing you to benefit from fast and reliable delivery.

Digital ordering options
Your digital ordering options at Weidmüller

Find and easily select the products you need, with convenient ordering: as your Partner in Industrial Connectivity, we know what counts in purchasing. That is why we offer you a variety of options for ordering products from us and optimising your purchasing processes to meet your individual requirements and your workflow. The choice is yours.

Order via the Weidmüller eShop

Our eShop offers you access to the complete Weidmüller product range around the clock – directly from a PC, tablet, or smartphone. The intuitive user guidance supports you as you select from over 50,000 products. Technical data, prices, and availabilities are available at any time. The shopping basket with check out function lets you place an order in seconds. Convenient additional functions like CSV upload, order history, reports, or custom order templates make your ordering processes even more efficient.

Order via the OCI interface

The Open Catalogue Interface (OCI) facilitates the exchange of data between your enterprise resource planning system and our eShop. This means that our eShop is integrated into your system via an OCI interface, so you have access to our complete product catalogue from your enterprise resource planning system. You can filter and select products, place them in your shopping basket and place direct orders without changing your software application. The open OCI standard is supported worldwide from a variety of software providers.

Order via the EDI interface

Our Electronic Data Interchange (EDI) also offers you the option of ordering our products directly from your enterprise resource planning system. All order data is transmitted automatically to our system and processed immediately. Orders, order confirmations, invoices, and delivery notices are transmitted lightning fast. This helps you make your purchasing processes even more efficient.

We will be glad to advise you on which solutions are suitable for you and how implementation is possible.
Get in touch with us
www.weidmueller.com/digital-order

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HDC 06B ALU O-RING	1019870000	D.13
HDC 06B DC	1215900000	J.29
HDC 06B DMDL 1LB	1665210000	B.25
HDC 06B DMDL 1LB	1665210000	B.49
HDC 06B DMDL 1LB	1665210000	B.87
HDC 06B DMDL 1LB	1665210000	B.139
HDC 06B DMDL 1LB	1665210000	D.12
HDC 06B DMDL 1LB N	2559730000	B.25
HDC 06B DMDL 1LB N	2559730000	B.49
HDC 06B DMDL 1LB N	2559730000	B.87
HDC 06B DMDL 1LB N	2559730000	B.139
HDC 06B DMDL 1LB N	2559730000	D.12
HDC 06B DODL 2BO	1665200000	B.25
HDC 06B DODL 2BO	1665200000	B.49
HDC 06B DODL 2BO	1665200000	B.87
HDC 06B DODL 2BO	1665200000	B.139
HDC 06B DODL 2BO	1665200000	D.13
HDC 06B HP250 MPL1	1103680000	H.7
HDC 06B KLU 1M25G	1021330000	D.13
HDC 06B KLU 1PG16G	1653200000	D.13
HDC 06B SDLU 1M20G	1900360000	D.13
HDC 06B SDLU 1M20G N	2560720000	B.25
HDC 06B SDLU 1M20G N	2560720000	B.49
HDC 06B SDLU 1M20G N	2560720000	B.87
HDC 06B SDLU 1M20G N	2560720000	D.13
HDC 06B SDLU 1M25G	1900380000	D.13
HDC 06B SDLU 1PG16G	1652980000	D.13
HDC 06B SDLU 1PG16G N	2560810000	D.13
HDC 06B SDLU 2M20G	1788170000	B.25
HDC 06B SDLU 2M20G	1788170000	B.49
HDC 06B SDLU 2M20G	1788170000	B.87
HDC 06B SDLU 2M20G	1788170000	D.13
HDC 06B SDLU 2M20G N	2560820000	D.13
HDC 06B SDLU 2M25G	1788160000	B.25
HDC 06B SDLU 2M25G	1788160000	B.49
HDC 06B SDLU 2M25G	1788160000	B.87
HDC 06B SDLU 2M25G	1788160000	D.13
HDC 06B SDLU 2M25G N	2560830000	B.25
HDC 06B SDLU 2M25G N	2560830000	B.49
HDC 06B SDLU 2M25G N	2560830000	B.87
HDC 06B SDLU 2M25G N	2560830000	D.13
HDC 06B SDLU 2PG16G	1652990000	D.13
HDC 06B SLU 1M20G	1900460000	D.13
HDC 06B SLU 1M20G N	2637080000	B.25
HDC 06B SLU 1M20G N	2637080000	B.49
HDC 06B SLU 1M20G N	2637080000	B.87
HDC 06B SLU 1M20G N	2637080000	D.13
HDC 06B SLU 1M25G	1900480000	D.13
HDC 06B SLU 1M25G N	2560710000	D.13
HDC 06B SLU 1PG16G	1652750000	D.13
HDC 06B SLU 1PG16G N	2560840000	D.13
HDC 06B SLU 2M20G	1788140000	B.25
HDC 06B SLU 2M20G	1788140000	B.49
HDC 06B SLU 2M20G	1788140000	B.87
HDC 06B SLU 2M20G	1788140000	D.13
HDC 06B SLU 2M20G N	2560850000	D.13
HDC 06B SLU 2M25G	1788130000	B.25
HDC 06B SLU 2M25G	1788130000	B.49
HDC 06B SLU 2M25G	1788130000	B.87
HDC 06B SLU 2M25G	1788130000	D.13
HDC 06B SLU 2M25G N	2560860000	B.25
HDC 06B SLU 2M25G N	2560860000	B.49
HDC 06B SLU 2M25G N	2560860000	B.87
HDC 06B SLU 2M25G N	2560860000	D.13
HDC 06B SLU 2PG16G	1652760000	D.13
HDC 06B TOLU 1M20G	1788120000	B.25
HDC 06B TOLU 1M20G	1788120000	B.49
HDC 06B TOLU 1M20G	1788120000	B.87
HDC 06B TOLU 1M20G	1788120000	D.12
HDC 06B TOLU 1M20G	1788120000	I.12
HDC 06B TOLU 1M20G	1788120000	I.14

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HDC 06B TOLU 1M20G EXI	3001360000	B.39
HDC 06B TOLU 1M25G	1788110000	B.25
HDC 06B TOLU 1M25G	1788110000	B.49
HDC 06B TOLU 1M25G	1788110000	B.87
HDC 06B TOLU 1M25G	1788110000	D.12
HDC 06B TOLU 1PG13G	1670500000	D.12
HDC 06B TOLU 1PG16G	1652640000	D.12
HDC 06B TOLU 1PG16G	1652640000	I.13
HDC 06B TOLU 1PG16G	1652640000	I.15
HDC 06B TOS 1M25 WMP	2716700000	G.4
HDC 06B TSLU 1M20G	1788100000	B.25
HDC 06B TSLU 1M20G	1788100000	B.49
HDC 06B TSLU 1M20G	1788100000	B.87
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HDC 06B TSLU 1M20G	1788100000	I.14
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HDC 06B TSLU 1PG13G	1670530000	D.12
HDC 06B TSLU 1PG16G	1652520000	D.12
HDC 06B TSLU 1PG16G	1652520000	I.13
HDC 06B TSLU 1PG16G	1652520000	I.15
HDC 06B TSS 1M25 WMP	2716750000	G.4
HDC 07A ALU	1652410000	B.67
HDC 07A ALU	1652410000	B.69
HDC 07A ALU	1652410000	B.117
HDC 07A ALU	1652410000	D.5
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HDC 07A ALU	1652410000	I.5
HDC 07A ALU	1652410000	I.6
HDC 07A ALU	1652410000	I.7
HDC 07A ALU	1652410000	I.8
HDC 07A ALU	1652410000	I.9
HDC 07A ALU	1652410000	I.10
HDC 07A ALU BLK	2088980000	D.5
HDC 07A AWLU	1652420000	D.5
HDC 07A AWLU	1652420000	I.6
HDC 07A AWLU	1652420000	I.7
HDC 07A AWLU	1652420000	I.8
HDC 07A AWLU	1652420000	I.9
HDC 07A AWLU	1652420000	I.10
HDC 07A AWLU	1652420000	I.11
HDC 07A DMDL 2B0	1665770000	B.67
HDC 07A DMDL 2B0	1665770000	B.69
HDC 07A DMDL 2B0	1665770000	B.117
HDC 07A DMDL 2B0	1665770000	D.5
HDC 07A DODL 2B0	1665760000	B.67
HDC 07A DODL 2B0	1665760000	B.69
HDC 07A DODL 2B0	1665760000	B.117
HDC 07A DODL 2B0	1665760000	D.5
HDC 07A ELU 1PG13G	1900990000	B.67
HDC 07A ELU 1PG13G	1900990000	B.69
HDC 07A ELU 1PG13G	1900990000	B.117
HDC 07A ELU 1PG13G	1900990000	D.5
HDC 07A KOLU 1M20G	1788540000	B.67
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HDC 07A KOLU 1PG11G	1652460000	D.5
HDC 07A SLU 1M20G	1788530000	B.67
HDC 07A SLU 1M20G	1788530000	B.69
HDC 07A SLU 1M20G	1788530000	B.117
HDC 07A SLU 1M20G	1788530000	D.5
HDC 07A SLU 1PG11S	1652440000	D.5
HDC 07A TOLU 1M20G	1788520000	B.67
HDC 07A TOLU 1M20G	1788520000	B.69
HDC 07A TOLU 1M20G	1788520000	B.117
HDC 07A TOLU 1M20G	1788520000	D.4
HDC 07A TOLU 1M20G	1788520000	I.4
HDC 07A TOLU 1M20G	1788520000	I.5
HDC 07A TOLU 1M20G	1788520000	I.8
HDC 07A TOLU 1M20G	1788520000	I.9
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HDC 07A TOLU 1PG11G	1652380000	D.4
HDC 07A TOLU 1PG11G	1652380000	I.6
HDC 07A TOLU 1PG11G	1652380000	I.7
HDC 07A TOLU 1PG11G	1652380000	I.10
HDC 07A TOLU 1PG11G	1652380000	I.11
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HDC 07A TWLU 1M20G	1788510000	B.117
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HDC 07A TWLU 1PG11G	1652400000	D.4
HDC 10A ADLU	1664060000	B.15
HDC 10A ADLU	1664060000	B.71
HDC 10A ADLU	1664060000	D.11
HDC 10A ALU	1664040000	B.15
HDC 10A ALU	1664040000	B.71
HDC 10A ALU	1664040000	D.11
HDC 10A ALU SL	1021450000	D.11
HDC 10A DMDL 2B0	1665880000	B.15
HDC 10A DMDL 2B0	1665880000	B.71
HDC 10A DMDL 2B0	1665880000	D.11
HDC 10A DODL 1LB	1665890000	B.15
HDC 10A DODL 1LB	1665890000	B.71
HDC 10A DODL 1LB	1665890000	D.10
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HDC 10A KLU 1M25G	1788670000	D.11
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HDC 10A KLU 2PG09G	1783250000	D.11
HDC 10A SDLU 1M20G	1901010000	D.11
HDC 10A SDLU 1M25G	1901040000	D.11
HDC 10A SDLU 1PG16G	1664410000	D.11
HDC 10A SDLU 2M20G	1788660000	B.15
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HDC 10A SDLU 2M25G	1788650000	B.15
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HDC 10A SLU 1M25G	1901160000	D.11
HDC 10A SLU 1PG16G	1664170000	D.11
HDC 10A SLU 1PG21G	1664210000	D.11
HDC 10A SLU 2M20G	1788640000	B.15
HDC 10A SLU 2M20G	1788640000	B.71
HDC 10A SLU 2M20G	1788640000	D.11
HDC 10A SLU 2M25G	1788630000	B.15
HDC 10A SLU 2M25G	1788630000	B.71
HDC 10A SLU 2M25G	1788630000	D.11
HDC 10A SLU 2PG16G	1664190000	D.11
HDC 10A TOLU 1M20G	1788620000	B.15
HDC 10A TOLU 1M20G	1788620000	B.71
HDC 10A TOLU 1M20G	1788620000	D.10
HDC 10A TOLU 1M25G	1788610000	B.15
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HDC 10A TOLU 1M25G	1788610000	D.10
HDC 10A TOLU 1PG16G	1663930000	D.10
HDC 10A TOLU 2PG11G	1746170000	D.10
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HDC 10B ABU	1205000000	B.101
HDC 10B ABU	1205000000	B.141
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HDC 10B ABU	1205000000	I.16
HDC 10B ABU	1205000000	I.17
HDC 10B ABU	1205000000	I.18
HDC 10B ABU	1205000000	I.19
HDC 10B ABU EMC	2542310000	E.5
HDC 10B ABU EXI	3001310000	B.41
HDC 10B ABU N	2488580000	B.27
HDC 10B ABU N	2488580000	B.51
HDC 10B ABU N	2488580000	B.89
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HDC 10B ABU N	2488580000	B.141
HDC 10B ABU N	2488580000	D.15
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HDC 10B ADLU	1206500000	D.16
HDC 10B AF WM COVER	2716820000	G.5
HDC 10B ALU	1206100000	D.16
HDC 10B AZO	1901700000	D.19
HDC 10B DC	1215910000	J.29
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HDC 10B DMDQ 2QB	1665240000	B.27
HDC 10B DMDQ 2QB	1665240000	B.51
HDC 10B DMDQ 2QB	1665240000	B.89
HDC 10B DMDQ 2QB	1665240000	B.101
HDC 10B DMDQ 2QB	1665240000	B.141
HDC 10B DMDQ 2QB	1665240000	D.14
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HDC 10B DMDQ 2QB N	2559740000	B.51
HDC 10B DMDQ 2QB N	2559740000	B.89
HDC 10B DMDQ 2QB N	2559740000	B.101
HDC 10B DMDQ 2QB N	2559740000	B.141
HDC 10B DMDQ 2QB N	2559740000	D.14
HDC 10B DMDQ 4B0	1665250000	D.18
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HDC 10B DODQ 4B0	1665230000	B.89
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HDC 10B DODQ 4B0	1665230000	B.141
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HDC 10B KBU 1M20G	1787720000	D.15
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HDC 10B SBU 1M20G N	2560880000	B.89
HDC 10B SBU 1M20G N	2560880000	B.101
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HDC 10B SBU 1M25G N	2560900000	B.141
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HDC 10B SBU 2M20G	1787640000	B.101
HDC 10B SBU 2M20G	1787640000	B.141
HDC 10B SBU 2M20G	1787640000	D.15
HDC 10B SBU 2M20G N	2560890000	B.27
HDC 10B SBU 2M20G N	2560890000	B.51
HDC 10B SBU 2M20G N	2560890000	B.89
HDC 10B SBU 2M20G N	2560890000	B.101
HDC 10B SBU 2M20G N	2560890000	B.141
HDC 10B SBU 2M20G N	2560890000	D.15
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HDC 10B SBU 2M25G	1787630000	B.51
HDC 10B SBU 2M25G	1787630000	B.89
HDC 10B SBU 2M25G	1787630000	B.101
HDC 10B SBU 2M25G	1787630000	B.141
HDC 10B SBU 2M25G	1787630000	D.15
HDC 10B SBU 2M25G N	2560910000	B.27
HDC 10B SBU 2M25G N	2560910000	B.51
HDC 10B SBU 2M25G N	2560910000	B.89
HDC 10B SBU 2M25G N	2560910000	B.101
HDC 10B SBU 2M25G N	2560910000	B.141
HDC 10B SBU 2M25G N	2560910000	D.15
HDC 10B SBU 2PG16G	1654380000	D.15
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HDC 10B SDBO 1M20G	1901490000	D.18
HDC 10B SDBO 1M25G	1901510000	D.18
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HDC 10B SDBO 2M25G	1787670000	D.18
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HDC 10B TOBU 1M20G	1787600000	B.101
HDC 10B TOBU 1M20G	1787600000	B.141
HDC 10B TOBU 1M20G	1787600000	D.14
HDC 10B TOBU 1M25G	1787590000	B.27
HDC 10B TOBU 1M25G	1787590000	B.51
HDC 10B TOBU 1M25G	1787590000	B.89
HDC 10B TOBU 1M25G	1787590000	B.101
HDC 10B TOBU 1M25G	1787590000	B.141
HDC 10B TOBU 1M25G	1787590000	D.14
HDC 10B TOBU 1M25G	1787590000	I.16
HDC 10B TOBU 1M25G	1787590000	I.18
HDC 10B TOBU 1M25G EXI	3001390000	B.41
HDC 10B TOBU 1PG16G	1654220000	D.14
HDC 10B TOBU 1PG16G	1654220000	I.17
HDC 10B TOBU 1PG16G	1654220000	I.19
HDC 10B TOBU 1PG21G	1654240000	D.14
HDC 10B TOBU 2M25G CS	1263780000	D.14
HDC 10B TOLU 1M25G	1787620000	D.16
HDC 10B TOLU 1PG16G	1655320000	D.16
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HDC 10B TSBO 1M25G	1787570000	D.18
HDC 10B TSBO 1PG16G	1654750000	D.18
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HDC 10B TSBU 1M20G	1787560000	B.89
HDC 10B TSBU 1M20G	1787560000	B.101
HDC 10B TSBU 1M20G	1787560000	B.141
HDC 10B TSBU 1M20G	1787560000	D.14
HDC 10B TSBU 1M25G	1787550000	B.27
HDC 10B TSBU 1M25G	1787550000	B.51
HDC 10B TSBU 1M25G	1787550000	B.89
HDC 10B TSBU 1M25G	1787550000	B.101
HDC 10B TSBU 1M25G	1787550000	B.141
HDC 10B TSBU 1M25G	1787550000	D.14
HDC 10B TSBU 1M25G	1787550000	I.16
HDC 10B TSBU 1M25G	1787550000	I.18
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HDC 10B TSBU 1PG16G	1654070000	D.14
HDC 10B TSBU 1PG16G	1654070000	I.17
HDC 10B TSBU 1PG16G	1654070000	I.19
HDC 10B TSBU 1PG21G	1654090000	D.14
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HDC 10B TSLU 1PG16G	1655210000	D.16
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HDC 15A TSLU 1M20G	1788860000	B.71
HDC 15A TSLU 1M20G	1788860000	D.10
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HDC 15A TSLU 1M25G	1788850000	B.71
HDC 15A TSLU 1M25G	1788850000	D.10
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HDC 15A TSLU 1PG21G	1663870000	D.10
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HDC 16A ADLU	1664940000	B.73
HDC 16A ADLU	1664940000	D.20
HDC 16A ALU	1664920000	B.17
HDC 16A ALU	1664920000	B.73
HDC 16A ALU	1664920000	D.20
HDC 16A DMDL 2B0	1665910000	B.17
HDC 16A DMDL 2B0	1665910000	B.73
HDC 16A DMDL 2B0	1665910000	D.21
HDC 16A DODL 1LB	1665900000	B.17
HDC 16A DODL 1LB	1665900000	B.73
HDC 16A DODL 1LB	1665900000	D.20
HDC 16A KLU 1M25G	1788800000	B.17
HDC 16A KLU 1M25G	1788800000	B.73
HDC 16A KLU 1M25G	1788800000	D.20
HDC 16A KLU 1PG16G	1665450000	D.20
HDC 16A SDLU 1M20G	1934710000	D.20
HDC 16A SDLU 2M20G	1788790000	B.17
HDC 16A SDLU 2M20G	1788790000	B.73
HDC 16A SDLU 2M20G	1788790000	D.20
HDC 16A SDLU 2M25G	1788780000	B.17
HDC 16A SDLU 2M25G	1788780000	B.73
HDC 16A SDLU 2M25G	1788780000	D.20
HDC 16A SDLU 2PG16G	1665300000	D.20
HDC 16A SLU 1M20G	1934720000	D.20
HDC 16A SLU 1M25G	1902330000	D.20
HDC 16A SLU 1PG21G	1665090000	D.20
HDC 16A SLU 2M20G	1788770000	B.17
HDC 16A SLU 2M20G	1788770000	B.73
HDC 16A SLU 2M20G	1788770000	D.20
HDC 16A SLU 2M25G	1788760000	B.17
HDC 16A SLU 2M25G	1788760000	B.73
HDC 16A SLU 2M25G	1788760000	D.20
HDC 16A SLU 2PG16G	1665070000	D.20
HDC 16A TOLU 1M25G	1788750000	B.17
HDC 16A TOLU 1M25G	1788750000	B.73
HDC 16A TOLU 1M25G	1788750000	D.20
HDC 16A TOLU 1PG16G	1664810000	D.20
HDC 16A TSLU 1M20G	1041760000	D.20
HDC 16A TSLU 1M25G	1788740000	B.17
HDC 16A TSLU 1M25G	1788740000	B.73
HDC 16A TSLU 1M25G	1788740000	D.20
HDC 16A TSLU 1PG16G	1664690000	D.20
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HDC 16B ABU	1208600000	B.61
HDC 16B ABU	1208600000	B.75
HDC 16B ABU	1208600000	B.91
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HDC 16B ABU	1208600000	B.109
HDC 16B ABU	1208600000	B.143
HDC 16B ABU	1208600000	B.145
HDC 16B ABU	1208600000	B.147
HDC 16B ABU	1208600000	B.149
HDC 16B ABU	1208600000	B.151
HDC 16B ABU	1208600000	D.23
HDC 16B ABU	1208600000	I.20
HDC 16B ABU	1208600000	I.21
HDC 16B ABU	1208600000	I.22
HDC 16B ABU	1208600000	I.23
HDC 16B ABU	1208600000	I.32
HDC 16B ABU EMC	2542320000	E.6
HDC 16B ABU EXI	3001320000	B.43
HDC 16B ABU N	2488590000	B.29
HDC 16B ABU N	2488590000	B.53
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HDC 16B ABU N	2488590000	B.91
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HDC 16B ABU N	2488590000	B.151
HDC 16B ABU N	2488590000	D.23
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HDC 16B ADLU	1210100000	D.24
HDC 16B AF WM COVER	2716830000	G.6
HDC 16B ALU	1209700000	D.24
HDC 16B DC	1215920000	J.29
HDC 16B DMDQ 2QB	1665270000	B.29
HDC 16B DMDQ 2QB	1665270000	B.53
HDC 16B DMDQ 2QB	1665270000	B.61
HDC 16B DMDQ 2QB	1665270000	B.75

Type	Order No.	Page
HDC 16B DMDQ 2QB	1665270000	B.91
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HDC 16B DMDQ 2QB	1665270000	B.109
HDC 16B DMDQ 2QB	1665270000	B.143
HDC 16B DMDQ 2QB	1665270000	B.145
HDC 16B DMDQ 2QB	1665270000	B.147
HDC 16B DMDQ 2QB	1665270000	B.149
HDC 16B DMDQ 2QB	1665270000	B.151
HDC 16B DMDQ 2QB	1665270000	D.22
HDC 16B DMDQ 4BO	1665620000	D.25
HDC 16B DODQ 2QB	1009090000	D.25
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HDC 16B DODQ 4BO	1665260000	B.53
HDC 16B DODQ 4BO	1665260000	B.61
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HDC 16B SBU 1M25G N	2560740000	B.75
HDC 16B SBU 1M25G N	2560740000	B.91
HDC 16B SBU 1M25G N	2560740000	B.103
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HDC 16B SBU 1M25G N	2560740000	B.143
HDC 16B SBU 1M25G N	2560740000	B.145
HDC 16B SBU 1M25G N	2560740000	B.147
HDC 16B SBU 1M25G N	2560740000	B.149
HDC 16B SBU 1M25G N	2560740000	B.151
HDC 16B SBU 1M25G N	2560740000	D.23
HDC 16B SBU 1PG21G	1656720000	D.23
HDC 16B SBU 1PG21G N	2560940000	D.23
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HDC 16B SBU 2M25G N	2560930000	B.151
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HDC 16B SDBO 1M25G	1900080000	D.25
HDC 16B SDBO 2M25G	1788260000	D.25
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HDC 16B SDLU 1PG21G	1658320000	D.24
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HDC 16B SDLU 2PG21G	1658330000	D.24
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HDC 16B TOBU 1M25G	1788210000	B.75
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HDC 16B TOBU 1M25G	1788210000	B.103
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HDC 16B TOBU 1M25G	1788210000	B.145
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HDC 16B TOBU 1M25G	1788210000	B.149
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HDC 16B TOBU 1M25G	1788210000	D.22
HDC 16B TOBU 1M25G	1788210000	I.20
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HDC 16B TOBU 1PG21G	1656590000	I.21
HDC 16B TOBU 1PG21G	1656590000	I.23
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HDC 16B TOLU 1M32G	1804630000	D.24
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HDC 16B TSBU 1M25G	1788180000	B.145
HDC 16B TSBU 1M25G	1788180000	B.147
HDC 16B TSBU 1M25G	1788180000	B.149
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HDC 16B TSBU 1M25G	1788180000	I.22
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HDC 16B TSBU 1PG21G	1656480000	I.23
HDC 16B TSBU 1PG21G	1656480000	I.32
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HDC 16B TSLU 1PG21G	1657850000	D.24
HDC 16B TSS 1M40 WMP	2716770000	G.6
HDC 16D KLU 1PG21G	1653230000	D.13
HDC 16D SDLU 1M25G	1900820000	D.13
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HDC 16D SLU 1M25G	1900880000	D.13
HDC 16D SLU 1M32G	1900900000	D.13
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HDC 16D SLU 2M25G	1787520000	D.13
HDC 16D SLU 2M32G	1787510000	B.139
HDC 16D SLU 2M32G	1787510000	D.13
HDC 16D SLU 2PG21G	1652840000	D.13
HDC 16D TOLU 1M25G	1787500000	B.25
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HDC 16D TOLU 1M25G	1787500000	B.87
HDC 16D TOLU 1M25G	1787500000	B.139
HDC 16D TOLU 1M25G	1787500000	D.12
HDC 16D TOLU 1M32G	1787490000	B.25
HDC 16D TOLU 1M32G	1787490000	B.49
HDC 16D TOLU 1M32G	1787490000	B.87
HDC 16D TOLU 1M32G	1787490000	B.139
HDC 16D TOLU 1M32G	1787490000	D.12
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HDC 16D TOLU 1PG21G	1652680000	D.12
HDC 16D TOLU 1PG29G	1652700000	D.12
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HDC 16D TSLU 1M25G	1787480000	B.87
HDC 16D TSLU 1M25G	1787480000	B.139
HDC 16D TSLU 1M25G	1787480000	D.12
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HDC 24B ABU	1212400000	B.157
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HDC 24B DMDQ 2QB	1665640000	B.79
HDC 24B DMDQ 2QB	1665640000	B.93
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HDC 24B DMDQ 2QB N	2559760000	D.28
HDC 24B DMDQ 4BO	1665650000	D.32
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HDC 24B DODQ 4BO	1665630000	B.79
HDC 24B DODQ 4BO	1665630000	B.93
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HDC 24B HP250 MPL3 TYP1	1079640000	H.7
HDC 24B HP250 MPL3 TYP2	1103750000	H.7
HDC 24B HP250 MPL4 TYP1	1160430000	H.7
HDC 24B HP250 MPL4 TYP2	1160440000	H.7
HDC 24B HP550 MPL2 TYP1	1103710000	H.13
HDC 24B HP550 MPL2 TYP2	1103770000	H.13
HDC 24B HP550 MPL3 TYP1	1103720000	H.13
HDC 24B HP550 MPL3 TYP2	1103780000	H.13
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HDC 24B KBU 2M32G N	2559880000	B.79
HDC 24B KBU 2M32G N	2559880000	B.93
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HDC 24B SBU 1M25G	1901150000	D.29
HDC 24B SBU 1M25G N	2560960000	D.29
HDC 24B SBU 1PG21G	1661510000	D.29
HDC 24B SBU 1PG21G N	2560750000	D.29
HDC 24B SBU 2M25G	1787870000	B.31
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HDC 24B SBU 2M25G	1787870000	B.79
HDC 24B SBU 2M25G	1787870000	B.93
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HDC 24B SBU 2M25G N	2560970000	B.93
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HDC 24B SBU 2M25G N	2560970000	B.153
HDC 24B SBU 2M25G N	2560970000	B.155
HDC 24B SBU 2M25G N	2560970000	B.157
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HDC 24B SBU 2PG21G	1661520000	D.29
HDC 24B SDBO 2PG21G	1662180000	D.32
HDC 24B SDLU 1M25G	1901480000	D.31
HDC 24B SDLU 2M25G	1787900000	D.31
HDC 24B SDLU 2PG21G	1214500000	D.31
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HDC 24B SLU 2M25G	1787880000	D.31
HDC 24B SLU 2PG21G	1662720000	D.31
HDC 24B TBU 2M40G CS	1131600000	D.28
HDC 24B TOBO 1M32G	1787830000	D.32
HDC 24B TOBO 1PG29G	1662020000	D.32
HDC 24B TOBU 1M25G	1787820000	B.31
HDC 24B TOBU 1M25G	1787820000	B.55
HDC 24B TOBU 1M25G	1787820000	B.63
HDC 24B TOBU 1M25G	1787820000	B.79
HDC 24B TOBU 1M25G	1787820000	B.93
HDC 24B TOBU 1M25G	1787820000	B.105
HDC 24B TOBU 1M25G	1787820000	B.153
HDC 24B TOBU 1M25G	1787820000	B.155
HDC 24B TOBU 1M25G	1787820000	B.157
HDC 24B TOBU 1M25G	1787820000	D.28
HDC 24B TOBU 1M25G EXI	3001520000	B.45
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HDC 24B TOBU 1M32G	1787810000	B.63
HDC 24B TOBU 1M32G	1787810000	B.79
HDC 24B TOBU 1M32G	1787810000	B.93
HDC 24B TOBU 1M32G	1787810000	B.105
HDC 24B TOBU 1M32G	1787810000	B.153
HDC 24B TOBU 1M32G	1787810000	B.155
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HDC 24B TOBU 1M32G	1787810000	I.24
HDC 24B TOBU 1M32G	1787810000	I.26
HDC 24B TOBU 1M40G	1902980000	D.28
HDC 24B TOBU 1PG21G	1661370000	D.28
HDC 24B TOBU 1PG21G	1661370000	I.25
HDC 24B TOBU 1PG21G	1661370000	I.27
HDC 24B TOBU 1PG29G	1661380000	D.28
HDC 24B TOBU 2M25G CS	1365030000	D.28
HDC 24B TOLU 1M25G	1787860000	D.30
HDC 24B TOLU 1M32G	1787850000	D.30
HDC 24B TOLU 1PG21G	1662540000	D.30
HDC 24B TOLU 1PG29G	1662550000	D.30
HDC 24B TOS 1M40 WMP	2716740000	G.7
HDC 24B TSBO 1M25G	1787780000	D.32
HDC 24B TSBO 1M32G	1787770000	D.32
HDC 24B TSBO 1PG21G	1661860000	D.32
HDC 24B TSBO 1PG29G	1661880000	D.32
HDC 24B TSBU 1M25G	1787760000	B.31
HDC 24B TSBU 1M25G	1787760000	B.55
HDC 24B TSBU 1M25G	1787760000	B.63
HDC 24B TSBU 1M25G	1787760000	B.79
HDC 24B TSBU 1M25G	1787760000	B.93
HDC 24B TSBU 1M25G	1787760000	B.105
HDC 24B TSBU 1M25G	1787760000	B.153
HDC 24B TSBU 1M25G	1787760000	B.155
HDC 24B TSBU 1M25G	1787760000	B.157
HDC 24B TSBU 1M25G	1787760000	D.28
HDC 24B TSBU 1M25G EXI	3001460000	B.45
HDC 24B TSBU 1M32G	1787750000	B.31
HDC 24B TSBU 1M32G	1787750000	B.55
HDC 24B TSBU 1M32G	1787750000	B.63
HDC 24B TSBU 1M32G	1787750000	B.79
HDC 24B TSBU 1M32G	1787750000	B.93
HDC 24B TSBU 1M32G	1787750000	B.105
HDC 24B TSBU 1M32G	1787750000	B.153
HDC 24B TSBU 1M32G	1787750000	B.155
HDC 24B TSBU 1M32G	1787750000	B.157
HDC 24B TSBU 1M32G	1787750000	D.28
HDC 24B TSBU 1M32G	1787750000	I.24
HDC 24B TSBU 1M32G	1787750000	I.26
HDC 24B TSBU 1M40G	1902480000	D.28
HDC 24B TSBU 1PG21G	1661230000	D.28
HDC 24B TSBU 1PG21G	1661230000	I.25
HDC 24B TSBU 1PG21G	1661230000	I.27
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HDC 24B TSLU 1M25G	1787800000	D.30
HDC 24B TSLU 1M32G	1787790000	D.30
HDC 24B TSLU 1PG21G	1662390000	D.30
HDC 24B TSLU 1PG29G	1662410000	D.30
HDC 24B TSS 1M40 WMP	2716780000	G.7
HDC 24D KLU 1M25G	1787460000	D.16
HDC 24D KLU 1M32G	1787450000	D.16
HDC 24D SBU 1M25G	1903210000	D.15
HDC 24D SBU 1M32G	1903220000	D.15
HDC 24D SBU 1M32G N	2560990000	D.15
HDC 24D SBU 1PG29G	1654470000	D.15
HDC 24D SBU 2M25G	1787350000	D.15
HDC 24D SBU 2M25G N	2560760000	D.15
HDC 24D SBU 2M32G	1787360000	D.15
HDC 24D SBU 2M32G N	2561000000	D.15
HDC 24D SBU 2PG21G	1654450000	D.15
HDC 24D SDBO 1M25G	1903370000	D.18
HDC 24D SDBO 2M25G	1787400000	D.18
HDC 24D SDLU 1M25G	1903410000	D.16
HDC 24D SDLU 1M32G	1903510000	D.16

Type	Order No.	Page
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HDC 24D SDLU 2M32G	1787410000	D.16
HDC 24D SLU 1M32G	1903560000	D.16
HDC 24D SLU 2M32G	1787370000	D.16
HDC 24D SZO 2PG21G	1968350000	D.19
HDC 24D TOBO 1PG29G	1654920000	D.18
HDC 24D TOBU 1M25G	1787300000	B.27
HDC 24D TOBU 1M25G	1787300000	B.51
HDC 24D TOBU 1M25G	1787300000	B.89
HDC 24D TOBU 1M25G	1787300000	B.101
HDC 24D TOBU 1M25G	1787300000	B.141
HDC 24D TOBU 1M25G	1787300000	D.14
HDC 24D TOBU 1M32G	1787290000	B.27
HDC 24D TOBU 1M32G	1787290000	B.51
HDC 24D TOBU 1M32G	1787290000	B.89
HDC 24D TOBU 1M32G	1787290000	B.101
HDC 24D TOBU 1M32G	1787290000	B.141
HDC 24D TOBU 1M32G	1787290000	D.14
HDC 24D TOBU 1M32G EMC	2544020000	E.5
HDC 24D TOBU 1PG29G	1654320000	D.14
HDC 24D TOBU 2M20G	1336600000	D.14
HDC 24D TOLU 1M25G	1787340000	D.16
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HDC 24D TSBO 1M32G	1787250000	D.18
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HDC 24D TSBU 1M25G	1787240000	B.89
HDC 24D TSBU 1M25G	1787240000	B.101
HDC 24D TSBU 1M25G	1787240000	B.141
HDC 24D TSBU 1M25G	1787240000	D.14
HDC 24D TSBU 1M32G	1787230000	B.27
HDC 24D TSBU 1M32G	1787230000	B.51
HDC 24D TSBU 1M32G	1787230000	B.89
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HDC 24D TSBU 1M32G	1787230000	B.141
HDC 24D TSBU 1M32G	1787230000	D.14
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HDC 24D TSBU 1PG29G	1654170000	D.14
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HDC 24D TSLU 1PG21G	1655250000	D.16
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HDC 24D TSZO 1M25G	1903610000	D.19
HDC 24D TSZO 1PG21G	1968360000	D.19
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HDC 25A TSLU 1PG21G	1664750000	D.20
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HDC 32A ABU	1665860000	B.77
HDC 32A ABU	1665860000	D.26
HDC 32A ADBO	1666440000	D.27
HDC 32A DMDQ 2QB	1665930000	D.26
HDC 32A DODQ 4BO	1665920000	D.26
HDC 32A KBU 1M25G	1788080000	B.19
HDC 32A KBU 1M25G	1788080000	B.77
HDC 32A KBU 1M25G	1788080000	D.26
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HDC 32B ABU	1217800000	B.81
HDC 32B ABU	1217800000	B.95
HDC 32B ABU	1217800000	B.111
HDC 32B ABU	1217800000	D.35
HDC 32B ABU	1217800000	I.28
HDC 32B ABU	1217800000	I.29
HDC 32B ADBO	1218800000	D.37
HDC 32B ADLU	1219800000	D.36
HDC 32B ALU	1219500000	D.36
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HDC 32B DODQ 4BO	1165790000	B.81
HDC 32B DODQ 4BO	1165790000	B.95
HDC 32B DODQ 4BO	1165790000	B.111
HDC 32B DODQ 4BO	1165790000	D.35
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HDC 32B KBU 1M40G	1902730000	B.81
HDC 32B KBU 1M40G	1902730000	B.95
HDC 32B KBU 1M40G	1902730000	B.111
HDC 32B KBU 1M40G	1902730000	D.35
HDC 32B KBU 1PG29G	1902740000	B.33
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HDC 32B KBU 1PG29G	1902740000	B.111
HDC 32B KBU 1PG29G	1902740000	D.35
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HDC 32B KBU 1PG36G	1902750000	B.81
HDC 32B KBU 1PG36G	1902750000	B.95
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HDC 32B SBU 1M32G	1902600000	B.57
HDC 32B SBU 1M32G	1902600000	B.81
HDC 32B SBU 1M32G	1902600000	B.95
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HDC 32B SBU 1M32G	1902600000	D.35
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HDC 32B SBU 1PG36G	1902610000	B.57
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HDC 32B SBU 2M32G	1788460000	B.111
HDC 32B SBU 2M32G	1788460000	D.35
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HDC 32B SBU 2M40G CS	1301990000	B.57
HDC 32B SBU 2M40G CS	1301990000	B.81
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HDC 32B TOBU 1M32G	1788430000	B.95
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HDC 32B TOBU 1PG29G	1666870000	B.81
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HDC 32B TOBU 1PG29G	1666870000	B.111
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HDC 40D KBU 1M25G	1787200000	B.103
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HDC 40D KBU 1M25G	1787200000	B.145
HDC 40D KBU 1M25G	1787200000	B.147
HDC 40D KBU 1M25G	1787200000	B.149
HDC 40D KBU 1M25G	1787200000	B.151
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HDC 40D KBU 1M25G N	2559890000	B.145
HDC 40D KBU 1M25G N	2559890000	B.147
HDC 40D KBU 1M25G N	2559890000	B.149
HDC 40D KBU 1M25G N	2559890000	B.151
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HDC 40D KBU 1M32G	1787190000	B.29
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HDC 40D KBU 1M32G	1787190000	B.145
HDC 40D KBU 1M32G	1787190000	B.147
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HDC 40D KBU 1M32G N	2559900000	B.103
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HDC 40D KBU 1M32G N	2559900000	B.145
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HDC 40D KBU 1M32G N	2559900000	B.149
HDC 40D KBU 1M32G N	2559900000	B.151
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HDC 40D KBU 1PG29G	1967670000	D.23
HDC 40D KBU 2M32G N	2545510000	B.29
HDC 40D KBU 2M32G N	2545510000	B.53
HDC 40D KBU 2M32G N	2545510000	B.61
HDC 40D KBU 2M32G N	2545510000	B.75
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HDC 40D KBU 2M32G N	2545510000	B.103
HDC 40D KBU 2M32G N	2545510000	B.109
HDC 40D KBU 2M32G N	2545510000	B.143
HDC 40D KBU 2M32G N	2545510000	B.145
HDC 40D KBU 2M32G N	2545510000	B.147
HDC 40D KBU 2M32G N	2545510000	B.149
HDC 40D KBU 2M32G N	2545510000	B.151
HDC 40D KBU 2M32G N	2545510000	D.23
HDC 40D KLU 1M25G	1787220000	D.24
HDC 40D SBU 1M25G	1902970000	D.23
HDC 40D SBU 1M32G	1902990000	D.23
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HDC 40D SBU 1M32G N	2561030000	B.53
HDC 40D SBU 1M32G N	2561030000	B.61
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HDC 40D SBU 1M32G N	2561030000	B.103
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HDC 40D SBU 1M32G N	2561030000	B.147
HDC 40D SBU 1M32G N	2561030000	B.149
HDC 40D SBU 1M32G N	2561030000	B.151
HDC 40D SBU 1M32G N	2561030000	D.23
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HDC 40D SBU 2M25G	1787120000	B.53
HDC 40D SBU 2M25G	1787120000	B.61
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HDC 40D SBU 2M25G	1787120000	B.91
HDC 40D SBU 2M25G	1787120000	B.103
HDC 40D SBU 2M25G	1787120000	I.28
HDC 40D SBU 2M25G	1787120000	B.109
HDC 40D SBU 2M25G	1787120000	B.143
HDC 40D SBU 2M25G	1787120000	B.145
HDC 40D SBU 2M25G	1787120000	B.147
HDC 40D SBU 2M25G	1787120000	B.149
HDC 40D SBU 2M25G	1787120000	B.151
HDC 40D SBU 2M25G	1787120000	D.23
HDC 40D SBU 2M25G N	2561020000	D.23
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HDC 40D SBU 2M32G	1787110000	B.53
HDC 40D SBU 2M32G	1787110000	B.61
HDC 40D SBU 2M32G	1787110000	B.75
HDC 40D SBU 2M32G	1787110000	B.91
HDC 40D SBU 2M32G	1787110000	B.103
HDC 40D SBU 2M32G	1787110000	B.109
HDC 40D SBU 2M32G	1787110000	B.143
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HDC 40D SBU 2M32G	1787110000	B.149
HDC 40D SBU 2M32G	1787110000	B.151
HDC 40D SBU 2M32G	1787110000	D.23
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HDC 40D SBU 2PG29G	1656840000	D.23
HDC 40D SDLU 1M25G	1903070000	D.24
HDC 40D SDLU 1M32G	1903080000	D.24
HDC 40D SDLU 1PG29G	1658410000	D.24
HDC 40D SDLU 2M25G	1787180000	D.24
HDC 40D SDLU 2M32G	1787170000	D.24
HDC 40D SLU 1M32G	1903110000	D.24
HDC 40D SLU 2M32G	1804660000	D.24
HDC 40D TBU 2M32G CSS	1927480000	D.22
HDC 40D TOBO 1PG29G	1657550000	D.25
HDC 40D TOBU 1M25G	1787070000	B.29
HDC 40D TOBU 1M25G	1787070000	B.53
HDC 40D TOBU 1M25G	1787070000	B.61
HDC 40D TOBU 1M25G	1787070000	B.75
HDC 40D TOBU 1M25G	1787070000	B.91
HDC 40D TOBU 1M25G	1787070000	B.103
HDC 40D TOBU 1M25G	1787070000	B.109
HDC 40D TOBU 1M25G	1787070000	B.143
HDC 40D TOBU 1M25G	1787070000	B.145
HDC 40D TOBU 1M25G	1787070000	B.147
HDC 40D TOBU 1M25G	1787070000	B.149
HDC 40D TOBU 1M25G	1787070000	B.151
HDC 40D TOBU 1M25G	1787070000	D.22
HDC 40D TOBU 1M32G	1787060000	B.29
HDC 40D TOBU 1M32G	1787060000	B.53
HDC 40D TOBU 1M32G	1787060000	B.61
HDC 40D TOBU 1M32G	1787060000	B.75
HDC 40D TOBU 1M32G	1787060000	B.91
HDC 40D TOBU 1M32G	1787060000	B.103
HDC 40D TOBU 1M32G	1787060000	B.109
HDC 40D TOBU 1M32G	1787060000	B.143
HDC 40D TOBU 1M32G	1787060000	B.145
HDC 40D TOBU 1M32G	1787060000	B.147
HDC 40D TOBU 1M32G	1787060000	B.149
HDC 40D TOBU 1M32G	1787060000	B.151
HDC 40D TOBU 1M32G	1787060000	D.22
HDC 40D TOBU 1M32G1M20G	1229120000	D.22
HDC 40D TOBU 1M40G CS	1114890000	D.22
HDC 40D TOBU 1M40G EMC	2544040000	E.6
HDC 40D TOBU 1PG21G	1656630000	D.22
HDC 40D TOBU 1PG29G	1656650000	D.22
HDC 40D TOBU 2M25	1208380000	D.22
HDC 40D TOBU 2M25G2M16G CS	1251020000	D.22
HDC 40D TOBU 2M32G CS	1532320000	D.22
HDC 40D TOLU 1M32G	1787100000	D.24
HDC 40D TOLU 1M40G	1139680000	D.24
HDC 40D TOLU 1PG29G	1658020000	D.24
HDC 40D TSBO 1M25G	1787030000	D.25
HDC 40D TSBO 1M32G	1787020000	D.25
HDC 40D TSBO 1M40G	1202230000	D.25
HDC 40D TSBO 1PG21G	1657420000	D.25
HDC 40D TSBU 1M25G	1787010000	B.29
HDC 40D TSBU 1M25G	1787010000	B.53
HDC 40D TSBU 1M25G	1787010000	B.61
HDC 40D TSBU 1M25G	1787010000	B.75
HDC 40D TSBU 1M25G	1787010000	B.91
HDC 40D TSBU 1M25G	1787010000	B.103
HDC 40D TSBU 1M25G	1787010000	B.109
HDC 40D TSBU 1M25G	1787010000	B.143
HDC 40D TSBU 1M25G	1787010000	B.145
HDC 40D TSBU 1M25G	1787010000	B.147
HDC 40D TSBU 1M25G	1787010000	B.149
HDC 40D TSBU 1M25G	1787010000	B.151
HDC 40D TSBU 1M25G	1787010000	D.22
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HDC 40D TSBU 1M32G	1787000000	B.53
HDC 40D TSBU 1M32G	1787000000	B.61
HDC 40D TSBU 1M32G	1787000000	B.75
HDC 40D TSBU 1M32G	1787000000	B.91
HDC 40D TSBU 1M32G	1787000000	B.103

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HDC 40D TSBU 1M32G	1787000000	B.147
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HDC 40D TSBU 1M32G	1787000000	B.151
HDC 40D TSBU 1M32G	1787000000	D.22
HDC 40D TSBU 1M40G	1904800000	D.22
HDC 40D TSBU 1M40G EMC	2544030000	E.6
HDC 40D TSBU 1PG21G	1656520000	D.22
HDC 40D TSBU 1PG29G	1656540000	D.22
HDC 40D TSLU 1M25G	1787050000	D.24
HDC 40D TSLU 1M32G	1787040000	D.24
HDC 40D TSLU 1M40G	1804650000	D.24
HDC 40D TSLU 1PG21G	1657890000	D.24
HDC 40D TSLU 1PG29G	1657910000	D.24
HDC 48A ADLU	1666750000	B.21
HDC 48A ADLU	1666750000	D.34
HDC 48A ALU	1666740000	B.21
HDC 48A ALU	1666740000	D.34
HDC 48A SDLU 1PG29G	1666810000	D.34
HDC 48A SLU 1PG29G	1666770000	D.34
HDC 48A SLU 2M32G	1788570000	B.21
HDC 48A SLU 2M32G	1788570000	D.34
HDC 48A TOLU 1M32G	1788560000	B.21
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HDC 48A TOLU 1PG29G	1666730000	D.34
HDC 48A TSLU 1M32G	1788550000	B.21
HDC 48A TSLU 1M32G	1788550000	D.34
HDC 48A TSLU 1PG29G	1666710000	D.34
HDC 48B ADLU	1222900000	B.35
HDC 48B ADLU	1222900000	B.83
HDC 48B ADLU	1222900000	B.97
HDC 48B ADLU	1222900000	D.38
HDC 48B ADLU	1222900000	I.30
HDC 48B ADLU	1222900000	I.31
HDC 48B ALU	1295600000	D.38
HDC 48B SDLU 1M32G	1904150000	D.38
HDC 48B SDLU 1PG29G	1799810000	D.38
HDC 48B SDLU 2M32G	1788390000	B.35
HDC 48B SDLU 2M32G	1788390000	B.83
HDC 48B SDLU 2M32G	1788390000	B.97
HDC 48B SDLU 2M32G	1788390000	D.38
HDC 48B SDLU 2M40G	1983500000	D.38
HDC 48B SDLU 2M50G	1983510000	D.38
HDC 48B SDLU 2PG29G	1667560000	D.38
HDC 48B SLU 1M32G	1904190000	D.38
HDC 48B SLU 1PG29G	1651100000	D.38
HDC 48B SLU 2M32G	1788370000	B.35
HDC 48B SLU 2M32G	1788370000	B.83
HDC 48B SLU 2M32G	1788370000	B.97
HDC 48B SLU 2M32G	1788370000	D.38
HDC 48B SLU 2M40G	1788360000	B.35
HDC 48B SLU 2M40G	1788360000	B.83
HDC 48B SLU 2M40G	1788360000	B.97
HDC 48B SLU 2M40G	1788360000	D.38
HDC 48B TOLU 1M32G	1788350000	B.35
HDC 48B TOLU 1M32G	1788350000	B.83
HDC 48B TOLU 1M32G	1788350000	B.97
HDC 48B TOLU 1M32G	1788350000	D.38
HDC 48B TOLU 1M40G	1788340000	D.38
HDC 48B TOLU 1M50G	1788330000	B.35
HDC 48B TOLU 1M50G	1788330000	B.83
HDC 48B TOLU 1M50G	1788330000	B.97
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HDC 48B TOLU 1PG36G	1651000000	D.38
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HDC 48B TSLU 1M32G	1788320000	B.83
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HDC 48B TSLU 1M40G	1788310000	B.97
HDC 48B TSLU 1M40G	1788310000	D.38
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HDC 48B TSLU 1PG29G	1650850000	I.31
HDC 48B TSLU 1PG36G	1650860000	D.38
HDC 48B TSLU 1PG42G	1670470000	D.38
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HDC 64D KBU 1M32G	1786960000	B.79
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HDC 64D KBU 1M32G	1786960000	B.155
HDC 64D KBU 1M32G	1786960000	B.157
HDC 64D KBU 1M32G	1786960000	D.29
HDC 64D KBU 1M32G N	2559910000	B.31
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HDC 64D KBU 1M32G N	2559910000	B.63
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HDC 64D KBU 1PG29G	1661810000	D.29
HDC 64D SBU 1M25G	1904340000	D.29
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HDC 64D SBU 2M32G	1786880000	B.79
HDC 64D SBU 2M32G	1786880000	B.93
HDC 64D SBU 2M32G	1786880000	B.105
HDC 64D SBU 2M32G	1786880000	B.153
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HDC 64D SBU 2M32G	1786880000	D.29
HDC 64D SBU 2PG21G	1661590000	D.29
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HDC 64D SDBO 1PG29G	1662280000	D.32
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HDC 64D SDLU 2PG29G	1663040000	D.31
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HDC 64D SZO 2PG29G	1968370000	D.33
HDC 64D TBU 2M32G CS	1324520000	D.28
HDC 64D TOBO 1PG21G	1662080000	D.32
HDC 64D TOBO 1PG29G	1662100000	D.32
HDC 64D TOBO 2M32G CS	1253270000	D.32
HDC 64D TOBU 1M32G	1786830000	B.31
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HDC 64D TOBU 1M32G	1786830000	B.79
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HDC 64D TOBU 1M32G	1786830000	D.28
HDC 64D TOBU 1M40G	1045560000	D.28
HDC 64D TOBU 1M40G EMC	2544060000	E.7
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HDC 64D TSBO 1M32G	1786790000	D.32
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HDC 64D TSBO 1PG29G	1661960000	D.32
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HDC 64D TSBU 1M40G	1809630000	D.28
HDC 64D TSBU 1M40G EMC	2544050000	E.7
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HDC 64D TSBU 1PG29G	1661320000	D.28
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HDC C HX BM1.5AG	1002950000	C.24
HDC C HX BM1.5AG	1002950000	C.26
HDC C HX BM1.5AG	1002950000	J.5
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HDC C HX BM4.0AG	1002970000	C.24
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HDC C HX BM6.0AG	1002980000	C.26
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HDC C HX SM1.5AG	1002910000	B.146
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HDC HQM TSLU 1PG21	1003100000	B.131
HDC HQM TSLU 1PG21	1003100000	D.9
HDC HQP ALU	1003040000	B.129
HDC HQP ALU	1003040000	B.133
HDC HQP ALU	1003040000	D.8
HDC HQP ALU CS	1354950000	D.8
HDC HQP ALU CS	1354950000	D.9
HDC HQP AWLU	1003060000	B.129
HDC HQP AWLU	1003060000	B.133
HDC HQP AWLU	1003060000	D.8
HDC HQP DMD 2BO	1003130000	B.129
HDC HQP DMD 2BO	1003130000	B.131
HDC HQP DMD 2BO	1003130000	D.8
HDC HQP DMD 2BO	1003130000	D.9
HDC HQP DMD 2BO CS	1251660000	B.131
HDC HQP DMD 2BO CS	1251660000	D.8
HDC HQP DMD 2BO CS	1251660000	D.9
HDC HQP DOD 2BO	1003140000	B.129
HDC HQP DOD 2BO	1003140000	B.131
HDC HQP DOD 2BO	1003140000	D.8
HDC HQP DOD 2BO	1003140000	D.9
HDC HQP DOD 2BO CS	1251670000	B.131
HDC HQP DOD 2BO CS	1251670000	D.8
HDC HQP DOD 2BO CS	1251670000	D.9
HDC HQP KOLU 1PG16	1003120000	B.129
HDC HQP KOLU 1PG16	1003120000	B.133
HDC HQP KOLU 1PG16	1003120000	D.8
HDC HQP SLU 1PG16	1003110000	B.129
HDC HQP SLU 1PG16	1003110000	B.133
HDC HQP SLU 1PG16	1003110000	D.8
HDC HQP TOLU 1PG16	1003070000	B.129
HDC HQP TOLU 1PG16	1003070000	B.133
HDC HQP TOLU 1PG16	1003070000	D.8
HDC HQP TSLU 1PG16	1003090000	B.129
HDC HQP TSLU 1PG16	1003090000	B.133
HDC HQP TSLU 1PG16	1003090000	D.8
HDC HSB 6 FP	3023970000	B.108
HDC HSB 6 FS	1498900000	B.108
HDC HSB 6 FS	1498900000	B.110
HDC HSB 6 FS	1498900000	I.32
HDC HSB 6 FS 7 - 12	1499000000	B.110
HDC HSB 6 MP	3023960000	B.108
HDC HSB 6 MS	1498700000	B.108
HDC HSB 6 MS	1498700000	B.110
HDC HSB 6 MS	1498700000	I.32
HDC HSB 6 MS 7 - 12	1498800000	B.110
HDC HVE 10+2 FS	1651360000	B.104
HDC HVE 10+2 FT CTH	1967260000	B.104
HDC HVE 10+2 MS	1651350000	B.104
HDC HVE 10+2 MT CTH	1967210000	B.104
HDC HVE 3+2 FS	1651320000	B.100
HDC HVE 3+2 FT CTH	1967220000	B.100
HDC HVE 3+2 MS	1651310000	B.100
HDC HVE 3+2 MT CTH	1967230000	B.100
HDC HVE 6+2 FS	1651340000	B.102
HDC HVE 6+2 FT CTH	1967240000	B.102
HDC HVE 6+2 MS	1651330000	B.102
HDC HVE 6+2 MT CTH	1967250000	B.102
HDC IP65 06B FRAME M4	1081550000	D.13
HDC IP65 10B FRAME M4	1081560000	D.15
HDC IP65 10B FRAME M4	1081560000	D.17
HDC IP65 10B FRAME M4	1081560000	D.18
HDC IP65 10B FRAME M4	1081560000	D.19
HDC IP65 16B FRAME M4	1081570000	D.23
HDC IP65 16B FRAME M4	1081570000	D.24
HDC IP65 16B FRAME M4	1081570000	D.25
HDC IP65 24B FRAME M4	1081580000	D.29
HDC IP65 24B FRAME M4	1081580000	D.31
HDC IP65 24B FRAME M4	1081580000	D.33
HDC IP68 24B MD 2M25	1120010000	H.7
HDC IP68 24B MD 2M25	1120010000	H.13
HDC IP68 24B MD 2M32	1120000000	H.7
HDC IP68 24B MD 2M32	1120000000	H.13
HDC IP68 24B MD 3M40	1119970000	H.7
HDC IP68 24B MD 3M40	1119970000	H.13
HDC IP68 04A ADS	1083130000	B.127
HDC IP68 04A ADS	1083130000	F.4
HDC IP68 04A AS	1081470000	B.127
HDC IP68 04A AS	1081470000	F.4
HDC IP68 04A AWS	1081490000	B.127
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HDC IP68 04A AWS 1M25	2430170000	F.4
HDC IP68 04A COVER	1083110000	B.127
HDC IP68 04A COVER	1083110000	F.4
HDC IP68 04A TOS 1M20	1082390000	B.127
HDC IP68 04A TOS 1M20	1082390000	F.4
HDC IP68 04A TOS 1M25G	1513390000	B.127
HDC IP68 04A TOS 1M25G	1513390000	F.4
HDC IP68 04A TOS 1PG13	1082410000	B.127
HDC IP68 04A TOS 1PG13	1082410000	F.4
HDC IP68 06B AS	1081510000	F.5
HDC IP68 06B COVER	1083060000	F.5
HDC IP68 06B FRAME M6	1110890000	F.5
HDC IP68 06B SS 2M20	1081250000	F.5
HDC IP68 06B SS 1M20	1081180000	F.5
HDC IP68 06B SS 1M25	1081190000	F.5
HDC IP68 06B SS 1M32	1081210000	F.5
HDC IP68 06B SS 2M25	1081240000	F.5
HDC IP68 06B SS 2M32	1081220000	F.5
HDC IP68 06B TOS 1M20	1082420000	F.5
HDC IP68 06B TOS 1M25	1082430000	F.5
HDC IP68 06B TOS 1M32	1082440000	F.5
HDC IP68 06B TOS 1M40	1082450000	F.5
HDC IP68 06B TSS 1M20	1082510000	F.5
HDC IP68 06B TSS 1M25	1082530000	F.5
HDC IP68 06B TSS 1M32	1082550000	F.5
HDC IP68 06B TSS 1PG21	1082570000	F.5
HDC IP68 10B AS	1081520000	F.6
HDC IP68 10B COVER	1083070000	F.6
HDC IP68 10B FRAME M6	1110900000	F.6
HDC IP68 10B SS 1M20	1081270000	F.6
HDC IP68 10B SS 1M32	1081280000	F.6
HDC IP68 10B SS 1PG29	1081290000	F.6
HDC IP68 10B SS 2M32	1081320000	F.6
HDC IP68 10B TOS 1M20	1082580000	F.6
HDC IP68 10B TOS 1M25	1082590000	F.6
HDC IP68 10B TOS 1M32	1082610000	F.6
HDC IP68 10B TOS 1PG16	1082620000	F.6
HDC IP68 10B TOS 1PG21	1082630000	F.6
HDC IP68 10B TOS 1PG29	1082640000	F.6
HDC IP68 10B TSS 1M20	1082690000	F.6
HDC IP68 10B TSS 1M25	1082650000	F.6
HDC IP68 10B TSS 1M32	1082660000	F.6
HDC IP68 10B TSS 1PG21	1082670000	F.6
HDC IP68 10B TSS 1PG29	1082680000	F.6
HDC IP68 16B AS	1081530000	F.7
HDC IP68 16B COVER	1083080000	F.7
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HDC IP68 16B SS	1081340000	F.7
HDC IP68 16B SS 1M32	1081350000	F.7
HDC IP68 16B SS 1M40	1081360000	F.7
HDC IP68 16B SS 1PG36	1081380000	F.7
HDC IP68 16B SS 2M32	1081390000	F.7
HDC IP68 16B SS 2M40	1081370000	F.7
HDC IP68 16B TOS 1M25	1082700000	F.7
HDC IP68 16B TOS 1M32	1082710000	F.7
HDC IP68 16B TOS 1M40	1082720000	F.7
HDC IP68 16B TOS 1M50	1082730000	F.7
HDC IP68 16B TOS 1PG21	1082750000	F.7
HDC IP68 16B TOS 2M25	1082780000	F.7
HDC IP68 16B TOS 2PG21	1082740000	F.7
HDC IP68 16B TSS 1M32	1082800000	F.7
HDC IP68 16B TSS 1M40	1082810000	F.7
HDC IP68 16B TSS 1M50	1082820000	F.7
HDC IP68 16B TSS 1PG21	1082830000	F.7
HDC IP68 16B TSS 1PG29	1082840000	F.7
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HDC IP68 24B AS	1081540000	F.8
HDC IP68 24B COVER	1083090000	F.8
HDC IP68 24B COVER CS	1324500000	H.6
HDC IP68 24B COVER CS	1324500000	H.12
HDC IP68 24B FRAME M6	1110920000	F.8
HDC IP68 24B HP FRAME	1282820000	H.6
HDC IP68 24B HP FRAME	1282820000	H.12
HDC IP68 24B MD	1119950000	H.7
HDC IP68 24B MD	1119950000	H.13
HDC IP68 24B MD 2M40	1119990000	H.7
HDC IP68 24B MD 2M40	1119990000	H.13
HDC IP68 24B MD 3M25	1079910000	H.7
HDC IP68 24B MD 3M25	1079910000	H.13
HDC IP68 24B MD 3M32	1119980000	H.7
HDC IP68 24B MD 3M32	1119980000	H.13
HDC IP68 24B MD 4M25 T1	1160450000	H.7
HDC IP68 24B MD 4M25 T2	1220860000	H.7
HDC IP68 24B SS	1081450000	F.8
HDC IP68 24B SS 1M40	1081410000	F.8
HDC IP68 24B SS 1PG36	1081430000	F.8
HDC IP68 24B SS 2M40	1081420000	F.8
HDC IP68 24B TOS 1M32	1082860000	F.8
HDC IP68 24B TOS 1M40	1082870000	F.8
HDC IP68 24B TOS 1M50	1082880000	F.8
HDC IP68 24B TOS 2M32	1082940000	F.8
HDC IP68 24B TOS 2M40	1082950000	F.8
HDC IP68 24B TOS 2M40 TSS 1M32	1289130000	F.8
HDC IP68 24B TOS 2PG29	1082910000	F.8
HDC IP68 24B TOS 3M25	1082960000	F.8
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HDC IP68 24B TSS 1PG29	1083000000	F.8
HDC IP68 24B TSS 1PG36	1083010000	F.8
HDC IP68 HP 24B 1M50	2451460000	H.7
HDC IP68 HP 24B 1M50	2451460000	H.13
HDC IP68 HP 24B 1M63	2473940000	H.7
HDC IP68 HP 24B 1M63	2473940000	H.13
HDC IP68 HP 24B A	1120040000	H.6
HDC IP68 HP 24B A	1120040000	H.12
HDC IP68 HP 24B AS S	1079920000	H.6
HDC IP68 HP 24B AS S	1079920000	H.12
HDC IP68 HP 24B TO	1079930000	H.6
HDC IP68 HP 24B TO	1079930000	H.12
HDC KIT HA 04.402 M	1802700000	I.8
HDC KIT HA 04.406 M	1802720000	I.8
HDC KIT HE 06.100 M	1802730000	I.12
HDC KIT HE 06.101 M	1802740000	I.12
HDC KIT HE-P 06.10	1027660000	I.15
HDC KIT HE-P 06.10 M	1027650000	I.14
HDC KIT HE-P 06.11	1061710000	I.15
HDC KIT HE-P 06.11 M	1061720000	I.14
HDC KIT HE-P 10.110	1027680000	I.19
HDC KIT HE-P 10.110 M	1027670000	I.18
HDC KIT HE-P 10.111	1061730000	I.19
HDC KIT HE-P 10.111 M	1061740000	I.18
HDC KIT HE-P 16.120	1027640000	I.23
HDC KIT HE-P 16.120 M	1027690000	I.22
HDC KIT HE-P 16.121	1061750000	I.23
HDC KIT HE-P 16.121 M	1061770000	I.22
HDC KIT HE-P 24.130	1061780000	I.27
HDC KIT HE-P 24.130 M	1061790000	I.26
HDC KIT HE-P 24.131	1061800000	I.27
HDC KIT HE-P 24.131 M	1061700000	I.26
HDC LL 06B N	2534550000	J.30
HDC LL 10B N	2535150000	J.30
HDC MBUS 2 FC	1429020000	C.49
HDC MBUS 2 MC	1428990000	C.49
HDC MBUS 2 MCLIP	1989290000	C.49
HDC MBUS 2 PCLIP	1989300000	C.49
HDC MBUS CF 10.3	2566010000	C.54
HDC MBUS CF 11.0	2566000000	C.54
HDC MBUS CF 7.3	2566060000	C.54
HDC MBUS CF 7.9	2566050000	C.54
HDC MBUS CF 8.5	2566040000	C.54
HDC MBUS CF 9.1	2566030000	C.54
HDC MBUS CF 9.7	2566020000	C.54
HDC MBUS CFS 5.0	2566080000	C.54
HDC MBUS CFS 7.0	2566070000	C.54
HDC MBUS CI A 9.2-10.3	2592700000	C.54
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HDC MBUS CL X/D 0.6/1.0	2592680000	C.54
HDC MBUS CL X/D0.09/0.5	3125010000	C.43
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HDC MBUS CT A 9.2-10.3	2592690000	C.54
HDC MBUS CT B 8.0-9.1	2592710000	C.54
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HDC MBUS CT X/D 0.6/1.0	2592650000	C.43
HDC MBUS CT X/D 0.6/1.0	2592650000	C.44
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HDC MBUS CT X/D 0.6/1.0	2592650000	J.6
HDC MBUS HD 1 F	2748620000	C.47
HDC MBUS HD 1 M	2748630000	C.47
HDC MBUS HD 4 F	2748580000	C.47
HDC MBUS HD 4 M	2748590000	C.47
HDC MBUS HE 1 F	2748600000	C.47
HDC MBUS HE 1 M	2748610000	C.47
HDC MBUS HS 8 F	2748640000	C.47
HDC MBUS HS 8 M	2748650000	C.47
HDC MBUS4 D5E FC	2427930000	C.52
HDC MBUS4 D5E MC	2427920000	C.52
HDC MBUS4 F AWG18	2565930000	C.52
HDC MBUS4 F AWG22-20	2565910000	C.52
HDC MBUS4 F AWG26-24	2565890000	C.52
HDC MBUS4 M AWG18	2565920000	C.52
HDC MBUS4 M AWG22-20	2565900000	C.52
HDC MBUS4 M AWG26-24	2565880000	C.52
HDC MBUS8 F AWG20	2565990000	C.53
HDC MBUS8 F AWG22	2565970000	C.53
HDC MBUS8 F AWG26-24	2565950000	C.53
HDC MBUS8 M AWG20	2565980000	C.53
HDC MBUS8 M AWG22	2565960000	C.53
HDC MBUS8 M AWG26-24	2565940000	C.53
HDC MBUS8 X6A FC	2427910000	C.53
HDC MBUS8 X6A MC	2427900000	C.53
HDC MCOAX 4 FC	2748550000	C.48
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HDC MDF 10B	2708500000	J.23
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HDC MDF 24B	2708520000	J.23
HDC MDU	1429040000	C.50
HDC MDU 2	3149600000	C.51
HDC MEMC 2 FC	2748570000	C.46
HDC MEMC 2 MC	2748560000	C.46
HDC MEMC ADP	2748740000	C.47
HDC MF 10B AC	1428960000	C.9
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HDC MF 24B AF	1429050000	C.11
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HDC MF 6B AB	1428920000	C.8
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HDC MFGL 10B AC	2736990000	C.9
HDC MFGL 10B CA	2737000000	C.9
HDC MFGL 16B AD	2737010000	C.10
HDC MFGL 16B DA	2737020000	C.10
HDC MFGL 24B AF	2737030000	C.11
HDC MFGL 24B FA	2737040000	C.11
HDC MFGL 6B AB	2736970000	C.8
HDC MFGL 6B BA	2736980000	C.8
HDC MFGS 10B AC	2736910000	C.9
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HDC MFGS 16B AD	2736930000	C.10
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HDC MFGS 24B AF	2736950000	C.11
HDC MFGS 24B FA	2736960000	C.11
HDC MFGS 6B AB	2736890000	C.8
HDC MFGS 6B BA	2736900000	C.8
HDC MGBIT 8 FC	2748530000	C.44
HDC MGBIT 8 FC M SH	3092810000	C.44
HDC MGBIT 8 MC	2748520000	C.44
HDC MGBIT 8 MC M SH	3092820000	C.44
HDC MHD 12 FC	1428850000	C.41
HDC MHD 12 FP	2748470000	C.42
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HDC MHD 12 MP	2748460000	C.42
HDC MHD 17 FC	2748490000	C.40
HDC MHD 17 MC	2748480000	C.40
HDC MHD 36 FC	1428870000	C.39
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HDC MHD 42 FC	3011310000	C.38
HDC MHD 42 MC	3011270000	C.38
HDC MHE 2 HV FC	2748390000	C.17
HDC MHE 2 HV MC	2748380000	C.17
HDC MHE 20 FC	1428930000	C.28
HDC MHE 20 MC	1428910000	C.28
HDC MHE 4 FP	2635990000	C.35
HDC MHE 4 MP	2635980000	C.35
HDC MHE 4X FP	2636060000	C.36
HDC MHE 4X MP	2636070000	C.36
HDC MHE 4X2 FP	2636080000	C.37
HDC MHE 4X2 MP	2636090000	C.37
HDC MHE 5 FP	2636190000	C.33
HDC MHE 5 MP	2636180000	C.33
HDC MHE 5L FP	2748410000	C.34
HDC MHE 5L MP	2748400000	C.34
HDC MHE 6 FC	1429370000	C.31
HDC MHE 6 FP	2748430000	C.32
HDC MHE 6 MC	1429360000	C.31
HDC MHE 6 MP	2748420000	C.32
HDC MHE 6P FC	1505660000	C.27
HDC MHE 6P MC	1505650000	C.27
HDC MHE 8 FC	1428890000	C.29
HDC MHE 8 FP	2748450000	C.30
HDC MHE 8 MC	1428880000	C.29
HDC MHE 8 MP	2748440000	C.30
HDC MHP 100 FAS	2748290000	C.16
HDC MHP 100 FC	1429080000	C.15
HDC MHP 100 FC	1429080000	J.9
HDC MHP 100 MAS	2748280000	C.16
HDC MHP 100 MC	1429060000	C.15
HDC MHP 100 MC	1429060000	J.9
HDC MHP 200 FAS	2748250000	C.13
HDC MHP 200 FC	2549260000	C.12
HDC MHP 200 FC	2549260000	J.9
HDC MHP 200 MAS	2748240000	C.13
HDC MHP 200 MC	2548900000	C.12
HDC MHP 200 MC	2548900000	J.9
HDC MHP 200 PE FAS	2748270000	C.14
HDC MHP 200 PE MAS	2748260000	C.14
HDC MHP 70 FAS	2748310000	C.19
HDC MHP 70 FC	2668180000	C.18
HDC MHP 70 FC	2668180000	J.9
HDC MHP 70 MAS	2748300000	C.19
HDC MHP 70 MC	2668190000	C.18
HDC MHP 70 MC	2668190000	J.9
HDC MHP100 F 10	1435790000	C.15
HDC MHP100 F 10	1435790000	J.7
HDC MHP100 F 10	1435790000	J.9
HDC MHP100 F 16	1435810000	C.15
HDC MHP100 F 16	1435810000	J.7
HDC MHP100 F 16	1435810000	J.9
HDC MHP100 F 25	1435820000	C.15
HDC MHP100 F 25	1435820000	J.7
HDC MHP100 F 25	1435820000	J.9
HDC MHP100 F 35	1435830000	C.15
HDC MHP100 F 35	1435830000	J.7
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HDC MHP100 M 25	1435770000	C.15
HDC MHP100 M 25	1435770000	J.7
HDC MHP100 M 25	1435770000	J.9
HDC MHP100 M 35	1435780000	C.15
HDC MHP100 M 35	1435780000	J.7
HDC MHP100 M 35	1435780000	J.9
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HDC MHP200 F 25	2514820000	J.7
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HDC MHP200 F 50	2514840000	J.7
HDC MHP200 F 50	2514840000	J.9
HDC MHP200 F 70	2514850000	C.12
HDC MHP200 F 70	2514850000	J.7
HDC MHP200 F 70	2514850000	J.9
HDC MHP200 M 25	2514860000	C.12
HDC MHP200 M 25	2514860000	J.7
HDC MHP200 M 25	2514860000	J.9
HDC MHP200 M 35	2514870000	C.12
HDC MHP200 M 35	2514870000	J.7
HDC MHP200 M 35	2514870000	J.9
HDC MHP200 M 50	2514880000	C.12
HDC MHP200 M 50	2514880000	J.7
HDC MHP200 M 50	2514880000	J.9
HDC MHP200 M 70	2514890000	C.12
HDC MHP200 M 70	2514890000	J.7
HDC MHP200 M 70	2514890000	J.9
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HDC MHP200 REMOVAL TOOL	2617240000	J.7
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HDC MHP70 F 10	2668200000	C.18
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HDC MHP70 F 10	2668200000	J.9
HDC MHP70 F 16	2668220000	C.18
HDC MHP70 F 16	2668220000	J.7
HDC MHP70 F 16	2668220000	J.9
HDC MHP70 F 25	2668260000	C.18
HDC MHP70 F 25	2668260000	J.7
HDC MHP70 F 25	2668260000	J.9
HDC MHP70 F 6	2668210000	C.18
HDC MHP70 F 6	2668210000	J.7
HDC MHP70 F 6	2668210000	J.9
HDC MHP70 M 10	2668350000	C.18
HDC MHP70 M 10	2668350000	J.7
HDC MHP70 M 10	2668350000	J.9
HDC MHP70 M 10 P	2691240000	C.18
HDC MHP70 M 10 P	2691240000	J.7
HDC MHP70 M 10 P	2691240000	J.9
HDC MHP70 M 16	2668360000	C.18
HDC MHP70 M 16	2668360000	J.7
HDC MHP70 M 16	2668360000	J.9
HDC MHP70 M 16 P	2691250000	C.18
HDC MHP70 M 16 P	2691250000	J.7
HDC MHP70 M 16 P	2691250000	J.9
HDC MHP70 M 25	2668370000	C.18
HDC MHP70 M 25	2668370000	J.7
HDC MHP70 M 25	2668370000	J.9
HDC MHP70 M 25 P	2691260000	C.18
HDC MHP70 M 25 P	2691260000	J.7
HDC MHP70 M 25 P	2691260000	J.9
HDC MHP70 M 6	2668280000	C.18
HDC MHP70 M 6	2668280000	J.7
HDC MHP70 M 6	2668280000	J.9
HDC MHP70 M 6 P	2691190000	C.18
HDC MHP70 M 6 P	2691190000	J.7
HDC MHP70 M 6 P	2691190000	J.9
HDC MHS 25 FC	2748510000	C.43
HDC MHS 25 MC	2748500000	C.43
HDC MHX 2 FAS	2748330000	C.21
HDC MHX 2 FC	2748350000	C.20
HDC MHX 2 MAS	2748320000	C.21
HDC MHX 2 MC	2748340000	C.20
HDC MHX 3 FC	1429350000	C.24
HDC MHX 3 FP	2772790000	C.25
HDC MHX 3 MC	1429340000	C.24
HDC MHX 3 MP	2772780000	C.25
HDC MHX 3/4 FC	2748370000	C.26
HDC MHX 3/4 MC	2748360000	C.26
HDC MHX 4P FC	1428970000	C.22
HDC MHX 4P FP	2772810000	C.23
HDC MHX 4P MC	1428950000	C.22
HDC MHX 4P MP	2772800000	C.23
HDC MMARK 4	2710590000	C.36
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HDC MMBIT 8 FC M	3092830000	C.45
HDC MMBIT 8 FC M SH	3092860000	C.45
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HDC MPN 1.6 M	2637470000	C.70
HDC MPN 1.6 SOF	2637490000	C.70
HDC MPN 2	2637320000	C.69
HDC MPN 3	2637340000	C.70
HDC MPN 3.0 F	2637450000	C.70
HDC MPN 3.0 M	2637440000	C.70
HDC MPN 3.0 SOF	2637460000	C.70
HDC MPN 4.0 F	2637420000	C.70
HDC MPN 4.0 M	2637410000	C.70
HDC MPN 4.0 SOF	2637430000	C.70
HDC MPN 6.0 F	2637390000	C.69
HDC MPN 6.0 M	2637350000	C.69
HDC MPN 6.0 SOF	2637400000	C.69
HDC MRJ45 8PLUG MC	2592250000	C.67
HDC MRJ45 A MI	2592220000	C.67
HDC MRJ45 ABP MI	2592210000	C.67
HDC MRJ45 B MI	2592230000	C.67
HDC MRJ45 GC F	2592030000	C.67
HDC MRJ45 P MI	2592240000	C.67
HDC MRJ45 PCADP MC	2592260000	C.67
HDC MRJ45 PCADP MC	2592260000	C.68
HDC MSL10	1435420000	J.21
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HDC MSL6	1435410000	J.21
HDC MXCC10 4X	2709800000	C.36
HDC MXCC10 4X	2709800000	C.37
HDC MXCC11 4X	2709810000	C.36
HDC MXCC11 4X	2709810000	C.37
HDC MXCC12 4X	2709820000	C.36
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HDC MXCC2 4X	2709710000	C.36
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HDC MXCC5 4X	2709740000	C.37
HDC MXCC6 4X	2709750000	C.36
HDC MXCC6 4X	2709750000	C.37
HDC MXCC7 4X	2709770000	C.36
HDC MXCC7 4X	2709770000	C.37
HDC MXCC8 4X	2709780000	C.36
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HDC RAILMATE HB 10 SET N	2883360000	J.14
HDC RAILMATE HB 10 TOP N	2883400000	J.14
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HDC XX5E01 MFSM12D-0050	2450450050	C.59
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HDC XX5E01 MFSXXXX-0050	2453550050	C.59
HDC XX5E01 MFSXXXX-0100	2453550100	C.59
HDC XX5E01 MFSXXXX-0150	2453550150	C.59
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HDC XX5E01 MMSM12D-0100	2451110100	C.59
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HDC XX5E01 MMSRJ45-0050	2450490050	C.59
HDC XX5E01 MMSRJ45-0100	2450490100	C.59
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HDC XX5E01 MMSRJ45-0300	2450490300	C.59
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HDC XX5E02 FMSM12D-0500	2503760500	C.60
HDC XX5E02 FMSRJ45-0050	2503720050	C.60
HDC XX5E02 FMSRJ45-0100	2503720100	C.60
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HDC XX5E02 FMSRJ45-0300	2503720300	C.60
HDC XX5E02 FMSRJ45-0500	2503720500	C.60
HDC XX5E02 FOXXXXX-0050	2003930050	C.60
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HDC XX5E02 FOXXXXX-0150	2003930150	C.60
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HDC XX5E02 MFSM12D-0050	2503700050	C.61
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HDC XX5E02 MMSM12D-0500	2503750500	C.61
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HDC XX5E02 MMSRJ45-0100	2503710100	C.61
HDC XX5E02 MMSRJ45-0150	2503710150	C.61
HDC XX5E02 MMSRJ45-0300	2503710300	C.61
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HDC XX6A02 FMSRJ45-0100	2503740100	C.62
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HDC XX6A02 MFSM12X-0050	2503690050	C.63
HDC XX6A02 MFSM12X-0100	2503690100	C.63
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HDC XX6A02 MMSM12X-0500	2503770500	C.63
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HDC XX6A02 MOXXXXX-0100	2003830100	C.63
HDC XX6A02 MOXXXXX-0150	2003830150	C.63
HDC XX6A02 MOXXXXX-0300	2003830300	C.63
HDC XX6A02 MOXXXXX-0500	2003830500	C.63
HDC XX6A02 OOXXXDM-1000	2712681000	C.57
HDC XX6A03 FMSRJ45-0300	2546830300	C.66
HDC XX6A03 FMSRJ45-0600	2546830600	C.66
HDC XX6A03 MFSXXXX-3000	2548113000	C.66
HDC XX6A03 MMSXXXX-3000	2546843000	C.66
HDC XX6A03 MMSXXXX-5000	2546845000	C.66
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Type	Order No.	Page
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Type	Order No.	Page
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HDC-C-HE-SM0.5AU	1651420000	B.32
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1002910000	HDC C HX SM1.5AG	C.24
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1120140000	HDC HP 550 SHOCKPROTEC	H.14
1120140000	HDC HP 550 SHOCKPROTEC	H.15
1120580000	HDC HP 550 M 185	H.12
1120580000	HDC HP 550 M 185	H.15
1120580000	HDC HP 550 M 185	J.11
1120590000	HDC HP 550 M 240	H.12
1120590000	HDC HP 550 M 240	H.15
1120590000	HDC HP 550 M 240	J.11
1120600000	HDC HP 550 F 240	H.12
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1130000000

1131600000	HDC 24B TBU 2M40G CS	D.28
1139680000	HDC 40D TOLU 1M40G	D.24

1150000000

1157800000	HDC HP 550 M 50	H.12
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1160000000

1160430000	HDC 24B HP250 MPL4 TYP1	H.7
1160440000	HDC 24B HP250 MPL4 TYP2	H.7
1160450000	HDC IP68 24B MD 4M25 T1	H.7
1160780000	HDC HP CODING SYSTEM	H.14
1160780000	HDC HP CODING SYSTEM	J.17
1165790000	HDC 32B DDDQ 4B0	B.33
1165790000	HDC 32B DDDQ 4B0	B.57
1165790000	HDC 32B DDDQ 4B0	B.81
1165790000	HDC 32B DDDQ 4B0	B.95
1165790000	HDC 32B DDDQ 4B0	B.111
1165790000	HDC 32B DDDQ 4B0	D.35
1168850000	HDC FIXING SC SIZE1 M3X6	J.24

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1193590000	VGM40-SS68 20-32 BG	H.13
1193600000	VGM25-MS68 11-20 BG	H.7
1193600000	VGM25-MS68 11-20 BG	H.13
1193610000	VGM32-MS68 15-25 BG	H.7
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1193620000	VGM40-MS68 20-32 BG	H.7
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1200000000	HDC HE 6 MS	I.12
1200000000	HDC HE 6 MS	I.13
1200200000	HDC HE 6 FS	B.24
1200200000	HDC HE 6 FS	I.12
1200200000	HDC HE 6 FS	I.13
1200400000	HDC HE 6 MC	B.24
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1200500000	HDC-C-HE-SM0.5AG	B.16
1200500000	HDC-C-HE-SM0.5AG	B.18
1200500000	HDC-C-HE-SM0.5AG	B.20
1200500000	HDC-C-HE-SM0.5AG	B.24
1200500000	HDC-C-HE-SM0.5AG	B.26
1200500000	HDC-C-HE-SM0.5AG	B.28
1200500000	HDC-C-HE-SM0.5AG	B.30
1200500000	HDC-C-HE-SM0.5AG	B.32
1200500000	HDC-C-HE-SM0.5AG	B.34
1200500000	HDC-C-HE-SM0.5AG	B.48
1200500000	HDC-C-HE-SM0.5AG	B.50
1200500000	HDC-C-HE-SM0.5AG	B.52
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1200500000	HDC-C-HE-SM0.5AG	J.4
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1200600000	HDC-C-HE-SM0.75-1.00AG	B.122
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1200600000	HDC-C-HE-SM0.75-1.00AG	J.4
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1200700000	HDC-C-HE-SM1.5AG	B.16
1200700000	HDC-C-HE-SM1.5AG	B.18
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1201200000	HDC-C-HE-BM0.75-1.00AG	J.4
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1202670000	HDC CM GUIDING SOCKET	J.16
1203600000	SPB-M 3	J.14
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1203900000	HDC HE 10 MS	B.26
1203900000	HDC HE 10 MS	I.16
1203900000	HDC HE 10 MS	I.17
1204100000	HDC HE 10 FS	B.26
1204100000	HDC HE 10 FS	I.16
1204100000	HDC HE 10 FS	I.17
1204300000	HDC HE 10 MC	B.26
1204400000	HDC HE 10 FC	B.26
1205000000	HDC 10B ABU	B.27
1205000000	HDC 10B ABU	B.51
1205000000	HDC 10B ABU	B.89
1205000000	HDC 10B ABU	B.101
1205000000	HDC 10B ABU	B.141
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1205000000	HDC 10B ABU	I.18
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1205890000	VGM40/1-MS68 20-32 BG	H.7
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1206090000	HDC 04A TOLU 1M16G	D.6
1206100000	HDC 10B ALU	D.16
1206500000	HDC 10B ADLU	D.16
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1207500000	HDC HE 16 MS	I.20
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1207900000	HDC HE 16 MC	B.32
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1208600000	HDC 16B ABU	B.29
1208600000	HDC 16B ABU	B.53
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1208600000	HDC 16B ABU	B.147
1208600000	HDC 16B ABU	B.149
1208600000	HDC 16B ABU	B.151
1208600000	HDC 16B ABU	D.23
1208600000	HDC 16B ABU	I.20
1208600000	HDC 16B ABU	I.21
1208600000	HDC 16B ABU	I.22
1208600000	HDC 16B ABU	I.23
1208600000	HDC 16B ABU	I.32
1209200000	HDC 16B ADBO	D.25
1209700000	HDC 16B ALU	D.24

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1210100000	HDC 16B ADLU	D.24
1211100000	HDC HE 24 MS	B.30
1211100000	HDC HE 24 MS	B.34
1211100000	HDC HE 24 MS	I.24
1211100000	HDC HE 24 MS	I.25
1211100000	HDC HE 24 MS	I.30
1211100000	HDC HE 24 MS	I.31
1211300000	HDC HE 24 FS	B.30
1211300000	HDC HE 24 FS	B.34
1211300000	HDC HE 24 FS	I.24
1211300000	HDC HE 24 FS	I.25
1211300000	HDC HE 24 FS	I.30
1211300000	HDC HE 24 FS	I.31
1211500000	HDC HE 24 MC	B.30
1211500000	HDC HE 24 MC	B.34
1211600000	HDC HE 24 FC	B.30
1211600000	HDC HE 24 FC	B.34
1212400000	HDC 24B ABU	B.31
1212400000	HDC 24B ABU	B.55
1212400000	HDC 24B ABU	B.63
1212400000	HDC 24B ABU	B.79
1212400000	HDC 24B ABU	B.93
1212400000	HDC 24B ABU	B.105
1212400000	HDC 24B ABU	B.153
1212400000	HDC 24B ABU	B.155
1212400000	HDC 24B ABU	B.157
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1212400000	HDC 24B ABU	I.24

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1212400000	HDC 24B ABU	I.26
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1213300000	HDC 24B ADBO	D.32
1213900000	HDC 24B ALU	D.31
1214300000	HDC 24B ADLU	D.31
1214500000	HDC 24B SDLU 2PG21G	D.31
1215700000	HDC HE 16 MS 17-32	B.32
1215700000	HDC HE 16 MS 17-32	I.28
1215700000	HDC HE 16 MS 17-32	I.29
1215900000	HDC 06B DC	J.29
1215910000	HDC 10B DC	J.29
1215920000	HDC 16B DC	J.29
1215930000	HDC 24B DC	J.29
1216100000	HDC HE 16 FS 17-32	B.32
1216100000	HDC HE 16 FS 17-32	I.28
1216100000	HDC HE 16 FS 17-32	I.29
1216500000	HDC HE 16 MC 17-32	B.32
1216700000	HDC HE 16 FC 17-32	B.32
1217800000	HDC 32B ABU	B.33
1217800000	HDC 32B ABU	B.57
1217800000	HDC 32B ABU	B.81
1217800000	HDC 32B ABU	B.95
1217800000	HDC 32B ABU	B.111
1217800000	HDC 32B ABU	D.35
1217800000	HDC 32B ABU	I.28
1217800000	HDC 32B ABU	I.29
1218800000	HDC 32B ADBO	D.37
1219300000	HDC 32B TOLU 1PG29G	D.36
1219500000	HDC 32B ALU	D.36
1219800000	HDC 32B ADLU	D.36

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1220570000	HDC HP 550 F 25	H.12
1220570000	HDC HP 550 F 25	H.15
1220570000	HDC HP 550 F 25	J.11
1220580000	HDC HP 550 M 25	H.12
1220580000	HDC HP 550 M 25	H.15
1220580000	HDC HP 550 M 25	J.11
1220800000	HDC HE 24 MS 25-48	B.34
1220800000	HDC HE 24 MS 25-48	I.30
1220800000	HDC HE 24 MS 25-48	I.31
1220840000	HDC HP 250 F 50 PE	H.6
1220840000	HDC HP 250 F 50 PE	J.10
1220850000	HDC HP 250 M 50 PE	H.6
1220850000	HDC HP 250 M 50 PE	J.10
1220860000	HDC IP68 24B MD 4M25 T2	H.7
1221200000	HDC HE 24 FS 25-48	B.34
1221200000	HDC HE 24 FS 25-48	I.30
1221200000	HDC HE 24 FS 25-48	I.31
1222900000	HDC 48B ADLU	B.35
1222900000	HDC 48B ADLU	B.83
1222900000	HDC 48B ADLU	B.97
1222900000	HDC 48B ADLU	D.38
1222900000	HDC 48B ADLU	I.30
1222900000	HDC 48B ADLU	I.31
1226400000	HDC HE 24 MC 25-48	B.34
1226600000	HDC HE 24 FC 25-48	B.34
1229120000	HDC 40D TOBU 1M32G1M20G	D.22

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1251020000	HDC 40D TOBU 2M25G2M16G CS	D.22
1251660000	HDC HQP DMD 2BO CS	B.131
1251660000	HDC HQP DMD 2BO CS	D.8
1251660000	HDC HQP DMD 2BO CS	D.9
1251670000	HDC HQP DOD 2BO CS	B.131
1251670000	HDC HQP DOD 2BO CS	D.8
1251670000	HDC HQP DOD 2BO CS	D.9
1251680000	HDC HQM ALU CS	D.9
1253270000	HDC 64D TOBO 2M32G CS	D.32

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1263780000	HDC 10B TOBU 2M25G CS	D.14
1268810000	HDC HP 550 M 70	H.12
1268810000	HDC HP 550 M 70	H.15
1268810000	HDC HP 550 M 70	J.11
1268820000	HDC HP 550 F 70	H.12
1268820000	HDC HP 550 F 70	H.15
1268820000	HDC HP 550 F 70	J.11
1269040000	HDC 16B TSBO 1M32G	D.25

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1270320000	CTX CM 3.6 ZERT	J.32

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1282820000	HDC IP68 24B HP FRAME	H.6
1282820000	HDC IP68 24B HP FRAME	H.12
1289130000	HDC IP68 24B TOS 2M40 TSS 1M32	F.8

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1295600000	HDC 48B ALU	D.38

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1301990000	HDC 32B SBU 2M40G CS	B.57
1301990000	HDC 32B SBU 2M40G CS	B.81
1301990000	HDC 32B SBU 2M40G CS	B.95
1301990000	HDC 32B SBU 2M40G CS	B.111
1301990000	HDC 32B SBU 2M40G CS	D.35

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1324500000	HDC IP68 24B COVER CS	H.6
1324500000	HDC IP68 24B COVER CS	H.12
1324520000	HDC 64D TBU 2M32G CS	D.28

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1336600000	HDC 24D TOBU 2M20G	D.14

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1354950000	HDC HQP ALU CS	D.8
1354950000	HDC HQP ALU CS	D.9

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1365030000	HDC 24B TOBU 2M25G CS	D.28

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1428840000	HDC MHD 12 MC	C.41
1428850000	HDC MHD 12 FC	C.41
1428860000	HDC MHD 36 MC	C.39
1428870000	HDC MHD 36 FC	C.39
1428880000	HDC MHE 8 MC	C.29
1428890000	HDC MHE 8 FC	C.29
1428910000	HDC MHE 20 MC	C.28
1428920000	HDC MF 6B AB	C.8
1428930000	HDC MHE 20 FC	C.28
1428940000	HDC MF 6B BA	C.8
1428950000	HDC MHX 4P MC	C.22
1428960000	HDC MF 10B AC	C.9
1428970000	HDC MHX 4P FC	C.22
1428980000	HDC MF 10B CA	C.9
1428990000	HDC MBUS 2 MC	C.49
1429010000	HDC MF 16B AD	C.10
1429020000	HDC MBUS 2 FC	C.49
1429030000	HDC MF 16B DA	C.10
1429040000	HDC MDU	C.50
1429050000	HDC MF 24B AF	C.11
1429060000	HDC MHP 100 MC	C.15
1429060000	HDC MHP 100 MC	J.9
1429070000	HDC MF 24B FA	C.11
1429080000	HDC MHP 100 FC	C.15
1429080000	HDC MHP 100 FC	J.9
1429340000	HDC MHX 3 MC	C.24
1429350000	HDC MHX 3 FC	C.24
1429360000	HDC MHE 6 MC	C.31
1429370000	HDC MHE 6 FC	C.31

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1435410000	HDC MSL6	J.21
1435420000	HDC MSL10	J.21
1435430000	HDC MSL16	J.21
1435440000	HDC MSL24	J.21
1435750000	HDC MHP100 M 10	C.15
1435750000	HDC MHP100 M 10	J.7
1435750000	HDC MHP100 M 10	J.9
1435760000	HDC MHP100 M 16	C.15
1435760000	HDC MHP100 M 16	J.7
1435760000	HDC MHP100 M 16	J.9
1435770000	HDC MHP100 M 25	C.15
1435770000	HDC MHP100 M 25	J.7
1435770000	HDC MHP100 M 25	J.9
1435780000	HDC MHP100 M 35	C.15
1435780000	HDC MHP100 M 35	J.7
1435780000	HDC MHP100 M 35	J.9
1435790000	HDC MHP100 F 10	C.15
1435790000	HDC MHP100 F 10	J.7
1435790000	HDC MHP100 F 10	J.9
1435810000	HDC MHP100 F 16	C.15
1435810000	HDC MHP100 F 16	J.7
1435810000	HDC MHP100 F 16	J.9
1435820000	HDC MHP100 F 25	C.15
1435820000	HDC MHP100 F 25	J.7
1435820000	HDC MHP100 F 25	J.9
1435830000	HDC MHP100 F 35	C.15
1435830000	HDC MHP100 F 35	J.7
1435830000	HDC MHP100 F 35	J.9

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1444680000	HDC GRIP PANEL 3 ADAPT	J.22
1444710000	HDC GRIP PANEL 4 ADAPT	J.22
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1471300000	DSTV COST4	J.16
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1480290000	HDC MF FIXING	C.8
1480290000	HDC MF FIXING	C.9
1480290000	HDC MF FIXING	C.10
1480290000	HDC MF FIXING	C.11
1480380000	HDC MHP100 REMOVAL TOOL	C.15
1480380000	HDC MHP100 REMOVAL TOOL	J.7
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1480940000	HDC MF CA16 PE	J.21

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1497600000	HDC 04A ALU	B.7
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1497600000	HDC 04A ALU	B.11
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1497600000	HDC 04A ALU	B.123
1497600000	HDC 04A ALU	B.125
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1497600000	HDC 04A ALU	I.10
1497600000	HDC 04A ALU	I.11
1497700000	HDC 04A AWLU	D.7
1497700000	HDC 04A AWLU	I.4
1497700000	HDC 04A AWLU	I.5
1497700000	HDC 04A AWLU	I.6
1497700000	HDC 04A AWLU	I.7
1497700000	HDC 04A AWLU	I.8
1497700000	HDC 04A AWLU	I.9
1497700000	HDC 04A AWLU	I.10
1497700000	HDC 04A AWLU	I.11
1498100000	HDC HA 3 MS	B.6
1498100000	HDC HA 3 MS	I.4
1498100000	HDC HA 3 MS	I.6
1498200000	HDC HA 3 FS	B.6
1498200000	HDC HA 3 FS	I.4
1498200000	HDC HA 3 FS	I.6
1498300000	HDC HA 4 MS	B.10
1498300000	HDC HA 4 MS	I.8
1498300000	HDC HA 4 MS	I.10
1498400000	HDC HA 4 FS	B.10
1498400000	HDC HA 4 FS	I.8
1498400000	HDC HA 4 FS	I.10
1498700000	HDC HSB 6 MS	B.108
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1499000000	HDC HSB 6 FS 7 - 12	B.110

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1500830000	EPG 45	C.12
1500830000	EPG 45	C.15
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1500830000	EPG 45	H.8
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1500830000	EPG 45	J.7
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1500830000	EPG 45	J.33
1500930000	ES EPG 45 HEX 6	H.8
1500930000	ES EPG 45 HEX 6	H.16
1500930000	ES EPG 45 HEX 6	J.9
1500930000	ES EPG 45 HEX 6	J.33
1500940000	ES EPG 45 HEX 10/70	H.8
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1500940000	ES EPG 45 HEX 10/70	J.9
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1500950000	ES EPG 45 HEX 16/35	H.8
1500950000	ES EPG 45 HEX 16/35	H.16
1500950000	ES EPG 45 HEX 16/35	J.9
1500950000	ES EPG 45 HEX 16/35	J.33
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1502390000	APG 80	H.9
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1502600000	ES APG 80 HEX 6	H.9
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1502620000	ES APG 80 HEX 10	H.9
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1502630000	ES APG 80 HEX 16	H.9
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1502640000	ES APG 80 HEX 25	H.9
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1502700000	ES APG 80 HEX 120	H.9
1502700000	ES APG 80 HEX 120	H.16
1502720000	ES APG 80 HEX 150	H.9
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1502730000	ES APG 80 HEX 185	H.9
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1502740000	ES APG 80 HEX 240	H.9
1502740000	ES APG 80 HEX 240	H.16
1502750000	ES APG 80 HEX 300	H.9
1502750000	ES APG 80 HEX 300	H.16
1505650000	HDC MHE 6P MC	C.27
1505660000	HDC MHE 6P FC	C.27

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1513390000	HDC IP68 04A TOS 1M25G	B.127
1513390000	HDC IP68 04A TOS 1M25G	F.4

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1526150000	HDC C HX SM10.0AG	B.116
1526150000	HDC C HX SM10.0AG	B.118
1526150000	HDC C HX SM10.0AG	B.120
1526190000	HDC C HX BM10.0AG	B.116
1526190000	HDC C HX BM10.0AG	B.118
1526190000	HDC C HX BM10.0AG	B.120
1528370000	HDC HEEE 40 MC	B.60
1528380000	HDC HEEE 40 FC	B.60

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1532200000	BG ARGH HQP ALU PT6	B.133
1532210000	BG ARGH HQP ALU PT6 CS	B.133
1532210000	BG ARGH HQP ALU PT6 CS	D.9
1532320000	HDC 40D TOBU 2M32G CS	D.22

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1568990000	VG 11-K68	I.6
1568990000	VG 11-K68	I.7
1568990000	VG 11-K68	I.10
1568990000	VG 11-K68	I.11
1569080000	VG 11-MS68	I.6
1569080000	VG 11-MS68	I.7
1569080000	VG 11-MS68	I.10
1569080000	VG 11-MS68	I.11
1569100000	VG 16-MS68	I.13
1569100000	VG 16-MS68	I.15
1569100000	VG 16-MS68	I.17
1569100000	VG 16-MS68	I.19
1569110000	VG 21-MS68	I.21
1569110000	VG 21-MS68	I.23
1569110000	VG 21-MS68	I.25
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1569110000	VG 21-MS68	I.32
1569120000	VG 29-MS68	I.29
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1595220000	DSTV TS 6-24	J.25
1595230000	DSTV TS 6 VH	J.25
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1601710000	HDC HD 40 MC	B.74
1601710000	HDC HD 40 MC	B.80
1601720000	HDC HD 64 MC	B.78
1601720000	HDC HD 64 MC	B.82
1601730000	HDC HD 40 FC	B.74
1601730000	HDC HD 40 FC	B.80
1601740000	HDC HD 64 FC	B.78
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1601750000	HDC-C-HD-SM0.75-1.00AG	B.74
1601750000	HDC-C-HD-SM0.75-1.00AG	B.76
1601750000	HDC-C-HD-SM0.75-1.00AG	B.78
1601750000	HDC-C-HD-SM0.75-1.00AG	B.80
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1601750000	HDC-C-HD-SM0.75-1.00AG	B.86
1601750000	HDC-C-HD-SM0.75-1.00AG	B.88
1601750000	HDC-C-HD-SM0.75-1.00AG	B.90
1601750000	HDC-C-HD-SM0.75-1.00AG	B.92
1601750000	HDC-C-HD-SM0.75-1.00AG	B.94
1601750000	HDC-C-HD-SM0.75-1.00AG	B.96
1601750000	HDC-C-HD-SM0.75-1.00AG	B.124
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1601750000	HDC-C-HD-SM0.75-1.00AG	C.26
1601750000	HDC-C-HD-SM0.75-1.00AG	C.38
1601750000	HDC-C-HD-SM0.75-1.00AG	C.39
1601750000	HDC-C-HD-SM0.75-1.00AG	C.40
1601750000	HDC-C-HD-SM0.75-1.00AG	C.41
1601750000	HDC-C-HD-SM0.75-1.00AG	C.45
1601750000	HDC-C-HD-SM0.75-1.00AG	J.4
1601760000	HDC-C-HD-BM0.75-1.00AG	B.66
1601760000	HDC-C-HD-BM0.75-1.00AG	B.68
1601760000	HDC-C-HD-BM0.75-1.00AG	B.70
1601760000	HDC-C-HD-BM0.75-1.00AG	B.72
1601760000	HDC-C-HD-BM0.75-1.00AG	B.74
1601760000	HDC-C-HD-BM0.75-1.00AG	B.76
1601760000	HDC-C-HD-BM0.75-1.00AG	B.78
1601760000	HDC-C-HD-BM0.75-1.00AG	B.80
1601760000	HDC-C-HD-BM0.75-1.00AG	B.82
1601760000	HDC-C-HD-BM0.75-1.00AG	B.86
1601760000	HDC-C-HD-BM0.75-1.00AG	B.88
1601760000	HDC-C-HD-BM0.75-1.00AG	B.90
1601760000	HDC-C-HD-BM0.75-1.00AG	B.92
1601760000	HDC-C-HD-BM0.75-1.00AG	B.94
1601760000	HDC-C-HD-BM0.75-1.00AG	B.96
1601760000	HDC-C-HD-BM0.75-1.00AG	B.124
1601760000	HDC-C-HD-BM0.75-1.00AG	B.126
1601760000	HDC-C-HD-BM0.75-1.00AG	B.130
1601760000	HDC-C-HD-BM0.75-1.00AG	B.132
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1601760000	HDC-C-HD-BM0.75-1.00AG	B.146
1601760000	HDC-C-HD-BM0.75-1.00AG	B.150
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1601760000	HDC-C-HD-BM0.75-1.00AG	C.40
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1611350000	HDC 24B AZO	D.33

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1650570000	HDC HD 7 MC	B.66
1650580000	HDC HD 7 FC	B.66
1650590000	HDC HD 8 MC	B.68
1650600000	HDC HD 8 FC	B.68
1650610000	HDC HA 10 MS	B.14
1650620000	HDC HA 10 FS	B.14
1650650000	HDC HD 15 MC	B.70
1650660000	HDC HD 15 FC	B.70
1650770000	HDC HA 16 MS	B.16
1650770000	HDC HA 16 MS	B.18
1650770000	HDC HA 16 MS	B.20
1650780000	HDC HA 16 FS	B.16
1650780000	HDC HA 16 FS	B.18
1650780000	HDC HA 16 FS	B.20
1650810000	HDC HD 25 MC	B.72
1650810000	HDC HD 25 MC	B.76
1650820000	HDC HD 25 FC	B.72
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1650850000	HDC 48B TSLU 1PG29G	D.38
1650850000	HDC 48B TSLU 1PG29G	I.31
1650860000	HDC 48B TSLU 1PG36G	D.38
1650880000	HDC HA 16 MS 17-32	B.18
1650880000	HDC HA 16 MS 17-32	B.20
1650900000	HDC HA 16 FS 17-32	B.18
1650900000	HDC HA 16 FS 17-32	B.20
1650980000	HDC 48B TOLU 1PG29G	D.38
1650990000	HDC HA 16 MS 33-48	B.20
1651000000	HDC 48B TOLU 1PG36G	D.38
1651020000	HDC HA 16 FS 33-48	B.20
1651100000	HDC 48B SLU 1PG29G	D.38
1651150000	HDC HDD 24 MC	B.86
1651160000	HDC HDD 24 FC	B.86
1651170000	HDC HDD 42 MC	B.88
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1651190000	HDC HDD 72 MC	B.90
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1651210000	HDC HDD 108 MC	B.96
1651220000	HDC HDD 108 FC	B.92
1651220000	HDC HDD 108 FC	B.96
1651240000	HDC HDD 72 MC 73-144	B.94
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1651280000	HDC HDD 108 MC 109-216	B.96
1651300000	HDC HDD 108 FC 109-216	B.96
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1651320000	HDC HVE 3+2 FS	B.100
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1651350000	HDC HVE 10+2 MS	B.104
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1651710000	HDC-C-HD-BM2.5AU	C.45
1651710000	HDC-C-HD-BM2.5AU	C.47
1651710000	HDC-C-HD-BM2.5AU	J.4
1652380000	HDC 07A TOLU 1PG11G	D.4
1652380000	HDC 07A TOLU 1PG11G	I.6
1652380000	HDC 07A TOLU 1PG11G	I.7
1652380000	HDC 07A TOLU 1PG11G	I.10
1652380000	HDC 07A TOLU 1PG11G	I.11
1652400000	HDC 07A TWLU 1PG11G	D.4
1652410000	HDC 07A ALU	B.67
1652410000	HDC 07A ALU	B.69
1652410000	HDC 07A ALU	B.117
1652410000	HDC 07A ALU	D.5
1652410000	HDC 07A ALU	I.4
1652410000	HDC 07A ALU	I.5
1652410000	HDC 07A ALU	I.6
1652410000	HDC 07A ALU	I.7
1652410000	HDC 07A ALU	I.8
1652410000	HDC 07A ALU	I.9
1652410000	HDC 07A ALU	I.10
1652420000	HDC 07A AWLU	D.5
1652420000	HDC 07A AWLU	I.6
1652420000	HDC 07A AWLU	I.7
1652420000	HDC 07A AWLU	I.8
1652420000	HDC 07A AWLU	I.9
1652420000	HDC 07A AWLU	I.10
1652420000	HDC 07A AWLU	I.11
1652440000	HDC 07A SLU 1PG11S	D.5
1652460000	HDC 07A KOLU 1PG11G	D.5
1652470000	HDC 04A TOLU 1PG11G	D.6
1652470000	HDC 04A TOLU 1PG11G	I.6
1652470000	HDC 04A TOLU 1PG11G	I.7
1652470000	HDC 04A TOLU 1PG11G	I.10
1652470000	HDC 04A TOLU 1PG11G	I.11
1652480000	HDC 04A TWLU 1PG11G	D.6
1652490000	HDC 04A SLU 1PG11G	D.7
1652500000	HDC 04A KOLU 1PG11G	D.7
1652520000	HDC 06B TSLU 1PG16G	D.12
1652520000	HDC 06B TSLU 1PG16G	I.13
1652520000	HDC 06B TSLU 1PG16G	I.15
1652560000	HDC 16D TSLU 1PG21G	D.12
1652580000	HDC 16D TSLU 1PG29G	D.12
1652640000	HDC 06B TOLU 1PG16G	D.12
1652640000	HDC 06B TOLU 1PG16G	I.13
1652640000	HDC 06B TOLU 1PG16G	I.15
1652680000	HDC 16D TOLU 1PG21G	D.12
1652700000	HDC 16D TOLU 1PG29G	D.12
1652750000	HDC 06B SLU 1PG16G	D.13
1652760000	HDC 06B SLU 2PG16G	D.13
1652840000	HDC 16D SLU 2PG21G	D.13
1652980000	HDC 06B SDLU 1PG16G	D.13
1652990000	HDC 06B SDLU 2PG16G	D.13
1653200000	HDC 06B KLU 1PG16G	D.13
1653230000	HDC 16D KLU 1PG21G	D.13
1654070000	HDC 10B TSBU 1PG16G	D.14
1654070000	HDC 10B TSBU 1PG16G	I.17
1654070000	HDC 10B TSBU 1PG16G	I.19
1654090000	HDC 10B TSBU 1PG21G	D.14
1654150000	HDC 24D TSBU 1PG21G	D.14
1654170000	HDC 24D TSBU 1PG29G	D.14
1654220000	HDC 10B TOBU 1PG16G	D.14
1654220000	HDC 10B TOBU 1PG16G	I.17
1654220000	HDC 10B TOBU 1PG16G	I.19
1654240000	HDC 10B TOBU 1PG21G	D.14
1654320000	HDC 24D TOBU 1PG29G	D.14
1654370000	HDC 10B SBU 1PG16G	D.15
1654380000	HDC 10B SBU 2PG16G	D.15
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1654580000	HDC 10B KBU 1PG16G	D.15
1654750000	HDC 10B TSBO 1PG16G	D.18
1654790000	HDC 24D TSBO 1PG21G	D.18
1654810000	HDC 24D TSBO 1PG16G	D.18
1654860000	HDC 10B TOBO 1PG16G	D.18
1654920000	HDC 24D TOBO 1PG29G	D.18
1655000000	HDC 10B SDBO 2PG16G	D.18
1655210000	HDC 10B TSLU 1PG16G	D.16
1655250000	HDC 24D TSLU 1PG21G	D.16
1655270000	HDC 24D TSLU 1PG29G	D.16
1655320000	HDC 10B TOLU 1PG16G	D.16
1655360000	HDC 24D TOLU 1PG21G	D.16
1655380000	HDC 24D TOLU 1PG29G	D.16
1655470000	HDC 10B SLU 2PG16G	D.16
1655680000	HDC 10B SDLU 2PG16G	D.16
1655890000	HDC 10B KLU 1PG16G	D.16
1656480000	HDC 16B TSBU 1PG21G	D.22
1656480000	HDC 16B TSBU 1PG21G	I.21
1656480000	HDC 16B TSBU 1PG21G	I.23
1656480000	HDC 16B TSBU 1PG21G	I.32
1656520000	HDC 40D TSBU 1PG21G	D.22
1656540000	HDC 40D TSBU 1PG29G	D.22
1656590000	HDC 16B TOBU 1PG21G	D.22
1656590000	HDC 16B TOBU 1PG21G	I.21
1656590000	HDC 16B TOBU 1PG21G	I.23
1656630000	HDC 40D TOBU 1PG21G	D.22
1656650000	HDC 40D TOBU 1PG29G	D.22
1656720000	HDC 16B SBU 1PG21G	D.23
1656730000	HDC 16B SBU 2PG21G	D.23
1656810000	HDC 40D SBU 2PG21G	D.23
1656830000	HDC 40D SBU 1PG29G	D.23
1656840000	HDC 40D SBU 2PG29G	D.23
1657270000	HDC 16B KBU 1PG21G	D.23
1657310000	HDC 40D KBU 1PG21G	D.23
1657380000	HDC 16B TSBO 1PG21G	D.25
1657420000	HDC 40D TSBO 1PG21G	D.25
1657490000	HDC 16B TOBO 1PG21G	D.25
1657550000	HDC 40D TOBO 1PG29G	D.25
1657640000	HDC 16B SDBO 2PG21G	D.25
1657850000	HDC 16B TSLU 1PG21G	D.24
1657890000	HDC 40D TSLU 1PG21G	D.24
1657910000	HDC 40D TSLU 1PG29G	D.24
1657960000	HDC 16B TOLU 1PG21G	D.24
1658020000	HDC 40D TOLU 1PG29G	D.24
1658110000	HDC 16B SLU 1PG21G	D.24
1658120000	HDC 16B SLU 2PG21G	D.24
1658320000	HDC 16B SDLU 1PG21G	D.24
1658330000	HDC 16B SDLU 2PG21G	D.24
1658410000	HDC 40D SDLU 1PG29G	D.24

1660000000

1661230000	HDC 24B TSBU 1PG21G	D.28
1661230000	HDC 24B TSBU 1PG21G	I.25
1661230000	HDC 24B TSBU 1PG21G	I.27
1661240000	HDC 24B TSBU 1PG29G	D.28
1661300000	HDC 64D TSBU 1PG21G	D.28
1661320000	HDC 64D TSBU 1PG29G	D.28
1661370000	HDC 24B TOBU 1PG21G	D.28
1661370000	HDC 24B TOBU 1PG21G	I.25
1661370000	HDC 24B TOBU 1PG21G	I.27
1661380000	HDC 24B TOBU 1PG29G	D.28
1661440000	HDC 64D TOBU 1PG21G	D.28
1661460000	HDC 64D TOBU 1PG29G	D.28
1661510000	HDC 24B SBU 1PG21G	D.29
1661520000	HDC 24B SBU 2PG21G	D.29
1661590000	HDC 64D SBU 2PG21G	D.29
1661630000	HDC 64D SBU 2PG29G	D.29
1661720000	HDC 24B KBU 1PG21G	D.29
1661730000	HDC 24B KBU 1PG29G	D.29
1661810000	HDC 64D KBU 1PG29G	D.29
1661860000	HDC 24B TSBO 1PG21G	D.32
1661880000	HDC 24B TSBO 1PG29G	D.32
1661940000	HDC 64D TSBO 1PG21G	D.32
1661960000	HDC 64D TSBO 1PG29G	D.32
1662020000	HDC 24B TOBO 1PG29G	D.32
1662080000	HDC 64D TOBO 1PG21G	D.32
1662100000	HDC 64D TOBO 1PG29G	D.32
1662180000	HDC 24B SDBO 2PG21G	D.32
1662280000	HDC 64D SDBO 1PG29G	D.32
1662390000	HDC 24B TSLU 1PG21G	D.30
1662410000	HDC 24B TSLU 1PG29G	D.30
1662470000	HDC 64D TSLU 1PG21G	D.30
1662490000	HDC 64D TSLU 1PG29G	D.30
1662540000	HDC 24B TOLU 1PG21G	D.30
1662550000	HDC 24B TOLU 1PG29G	D.30
1662610000	HDC 64D TOLU 1PG21G	D.30
1662630000	HDC 64D TOLU 1PG29G	D.30
1662720000	HDC 24B SLU 2PG21G	D.31
1663040000	HDC 64D SDLU 2PG29G	D.31
1663370000	HDC 64D TSZO 1PG21G	D.33
1663390000	HDC 64D TSZO 1PG29G	D.33
1663810000	HDC 10A TSLU 1PG16G	D.10
1663850000	HDC 15A TSLU 1PG16G	D.10
1663870000	HDC 15A TSLU 1PG21G	D.10
1663930000	HDC 10A TOLU 1PG16G	D.10
1663990000	HDC 15A TOLU 1PG21G	D.10
1664040000	HDC 10A ALU	B.15
1664040000	HDC 10A ALU	B.71
1664040000	HDC 10A ALU	D.11
1664060000	HDC 10A ADLU	B.15
1664060000	HDC 10A ADLU	B.71
1664060000	HDC 10A ADLU	D.11
1664170000	HDC 10A SLU 1PG16G	D.11
1664190000	HDC 10A SLU 2PG16G	D.11
1664210000	HDC 10A SLU 1PG21G	D.11

Order No.	Type	Page
1664330000	ABD-2-GR	J.27
1664350000	ABD-3-GR	J.27
1664360000	ABD-4-GR	J.27
1664370000	ABD-5-GR	J.27
1664390000	ABD-6-GR	J.27
1664410000	HDC 10A SDLU 1PG16G	D.11
1664420000	HDC 10A SDLU 2PG16G	D.11
1664560000	HDC 10A KLU 1PG16G	D.11
1664690000	HDC 16A TSLU 1PG16G	D.20
1664730000	HDC 25A TSLU 1PG16G	D.20
1664750000	HDC 25A TSLU 1PG21G	D.20
1664810000	HDC 16A TOLU 1PG16G	D.20
1664870000	HDC 25A TOLU 1PG21G	D.20
1664920000	HDC 16A ALU	B.17
1664920000	HDC 16A ALU	B.73
1664920000	HDC 16A ALU	D.20
1664940000	HDC 16A ADLU	B.17
1664940000	HDC 16A ADLU	B.73
1664940000	HDC 16A ADLU	D.20
1664960000	ABD-8-OR	J.27
1664970000	ABD-8-GR	J.27
1664980000	ADP-8/3-OR	J.27
1664990000	ADP-8/3-GR	J.27
1665000000	ADP-8/4-OR	J.27
1665010000	ADP-8/4-GR	J.27
1665030000	ADP-8/6-GR	J.27
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1665200000	HDC 06B DODL 2BO	B.87
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1665210000	HDC 06B DMDL 1LB	B.87
1665210000	HDC 06B DMDL 1LB	B.139
1665210000	HDC 06B DMDL 1LB	D.12
1665230000	HDC 10B DODQ 4BO	B.27
1665230000	HDC 10B DODQ 4BO	B.51
1665230000	HDC 10B DODQ 4BO	B.89
1665230000	HDC 10B DODQ 4BO	B.101
1665230000	HDC 10B DODQ 4BO	B.141
1665230000	HDC 10B DODQ 4BO	D.15
1665240000	HDC 10B DMDQ 2QB	B.27
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1665240000	HDC 10B DMDQ 2QB	B.89
1665240000	HDC 10B DMDQ 2QB	B.101
1665240000	HDC 10B DMDQ 2QB	B.141
1665240000	HDC 10B DMDQ 2QB	D.14
1665250000	HDC 10B DMDQ 4BO	D.18
1665260000	HDC 16B DODQ 4BO	B.29
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1665270000	HDC 16B DMDQ 2QB	B.151
1665270000	HDC 16B DMDQ 2QB	D.22
1665300000	HDC 16A SDLU 2PG16G	D.20
1665450000	HDC 16A KLU 1PG16G	D.20
1665620000	HDC 16B DMDQ 4BO	D.25
1665630000	HDC 24B DODQ 4BO	B.31
1665630000	HDC 24B DODQ 4BO	B.55
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1665630000	HDC 24B DODQ 4BO	B.79
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1665630000	HDC 24B DODQ 4BO	B.153
1665630000	HDC 24B DODQ 4BO	B.155
1665630000	HDC 24B DODQ 4BO	B.157
1665630000	HDC 24B DODQ 4BO	D.29
1665640000	HDC 24B DMDQ 2QB	B.31
1665640000	HDC 24B DMDQ 2QB	B.55
1665640000	HDC 24B DMDQ 2QB	B.63
1665640000	HDC 24B DMDQ 2QB	B.79
1665640000	HDC 24B DMDQ 2QB	B.93
1665640000	HDC 24B DMDQ 2QB	B.105
1665640000	HDC 24B DMDQ 2QB	B.153
1665640000	HDC 24B DMDQ 2QB	B.155
1665640000	HDC 24B DMDQ 2QB	B.157

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1665640000	HDC 24B DMDQ 2QB	D.28
1665650000	HDC 24B DMDQ 4BO	D.32
1665670000	HDC 32A TSBU 1PG21G	D.26
1665690000	HDC 32A TSBU 1PG29G	D.26
1665740000	HDC 04A DODL 2BO	B.7
1665740000	HDC 04A DODL 2BO	B.9
1665740000	HDC 04A DODL 2BO	B.11
1665740000	HDC 04A DODL 2BO	B.13
1665740000	HDC 04A DODL 2BO	B.119
1665740000	HDC 04A DODL 2BO	B.121
1665740000	HDC 04A DODL 2BO	B.123
1665740000	HDC 04A DODL 2BO	B.125
1665740000	HDC 04A DODL 2BO	D.7
1665750000	HDC 04A DMDL 2BO	B.7
1665750000	HDC 04A DMDL 2BO	B.9
1665750000	HDC 04A DMDL 2BO	B.11
1665750000	HDC 04A DMDL 2BO	B.13
1665750000	HDC 04A DMDL 2BO	B.119
1665750000	HDC 04A DMDL 2BO	B.121
1665750000	HDC 04A DMDL 2BO	B.123
1665750000	HDC 04A DMDL 2BO	B.125
1665750000	HDC 04A DMDL 2BO	D.7
1665760000	HDC 07A DODL 2BO	B.67
1665760000	HDC 07A DODL 2BO	B.69
1665760000	HDC 07A DODL 2BO	B.117
1665760000	HDC 07A DODL 2BO	D.5
1665770000	HDC 07A DMDL 2BO	B.67
1665770000	HDC 07A DMDL 2BO	B.69
1665770000	HDC 07A DMDL 2BO	B.117
1665770000	HDC 07A DMDL 2BO	D.5
1665790000	HDC 32A TOBU 1PG21G	D.26
1665810000	HDC 32A TOBU 1PG29G	D.26
1665860000	HDC 32A ABU	B.19
1665860000	HDC 32A ABU	B.77
1665860000	HDC 32A ABU	D.26
1665880000	HDC 10A DMDL 2BO	B.15
1665880000	HDC 10A DMDL 2BO	B.71
1665880000	HDC 10A DMDL 2BO	D.11
1665890000	HDC 10A DODL 1LB	B.15
1665890000	HDC 10A DODL 1LB	B.71
1665890000	HDC 10A DODL 1LB	D.10
1665900000	HDC 16A DODL 1LB	B.17
1665900000	HDC 16A DODL 1LB	B.73
1665900000	HDC 16A DODL 1LB	D.20
1665910000	HDC 16A DMDL 2BO	B.17
1665910000	HDC 16A DMDL 2BO	B.73
1665910000	HDC 16A DMDL 2BO	D.21
1665920000	HDC 32A DODQ 4BO	D.26
1665930000	HDC 32A DMDQ 2QB	D.26
1665980000	HDC 32A SBU 2PG21G	D.26
1666010000	HDC 32A SBU 1PG29G	D.26
1666270000	HDC 32A TSBO 1PG29G	D.27
1666440000	HDC 32A ADBO	D.27
1666550000	HDC 32A SDBO 1PG21G	D.27
1666590000	HDC 32A SDBO 1PG29G	D.27
1666710000	HDC 48A TSLU 1PG29G	D.34
1666730000	HDC 48A TOLU 1PG29G	D.34
1666740000	HDC 48A ALU	B.21
1666740000	HDC 48A ALU	D.34
1666750000	HDC 48A ADLU	B.21
1666750000	HDC 48A ADLU	D.34
1666770000	HDC 48A SLU 1PG29G	D.34
1666810000	HDC 48A SDLU 1PG29G	D.34
1666840000	HDC 32B TSBU 1PG29G	B.33
1666840000	HDC 32B TSBU 1PG29G	B.57
1666840000	HDC 32B TSBU 1PG29G	B.81
1666840000	HDC 32B TSBU 1PG29G	B.95
1666840000	HDC 32B TSBU 1PG29G	B.111
1666840000	HDC 32B TSBU 1PG29G	D.35
1666840000	HDC 32B TSBU 1PG29G	I.29
1666870000	HDC 32B TOBU 1PG29G	B.33
1666870000	HDC 32B TOBU 1PG29G	B.57
1666870000	HDC 32B TOBU 1PG29G	B.81
1666870000	HDC 32B TOBU 1PG29G	B.95
1666870000	HDC 32B TOBU 1PG29G	B.111
1666870000	HDC 32B TOBU 1PG29G	D.35
1666920000	HDC 32B SBU 2PG29G	B.33
1666920000	HDC 32B SBU 2PG29G	B.57
1666920000	HDC 32B SBU 2PG29G	B.81
1666920000	HDC 32B SBU 2PG29G	B.95
1666920000	HDC 32B SBU 2PG29G	B.111
1666920000	HDC 32B SBU 2PG29G	D.35
1667120000	HDC 32B TSLU 1PG29G	D.36
1667560000	HDC 48B SDLU 2PG29G	D.38

1670000000

1670470000	HDC 48B TSLU 1PG42G	D.38
1670500000	HDC 06B TOLU 1PG13G	D.12
1670530000	HDC 06B TSLU 1PG13G	D.12

1680000000

1682260000	HDC-C-M3-SM4.0AG	J.5
1682270000	HDC-C-M3-BM4.0AG	J.5
1682280000	HDC-C-M3-SM6.0AG	J.5
1682290000	HDC-C-M3-BM6.0AG	J.5
1682300000	HDC-C-M3-SM10.0AG	J.5
1682310000	HDC-C-M3-BM10.0AG	J.5

1690000000

1698120000	HDC-C-M3-SM1.5AG	J.5
1698130000	HDC-C-M3-BM1.5AG	J.5
1698140000	HDC-C-M3-SM2.5AG	J.5
1698150000	HDC-C-M3-BM2.5AG	J.5

1710000000

1712460000	HDC-KIT-HE 06.100	I.13
1712510000	HDC-KIT-HE 10.110	I.17
1712520000	HDC-KIT-HE 16.120	I.21
1712530000	HDC-KIT-HE 24.130	I.25
1712540000	HDC-KIT-HE 32.140	I.29
1712550000	HDC-KIT-HE 48.150	I.31
1712560000	HDC-KIT-HA 03.300	I.6
1712570000	HDC-KIT-HA 03.301	I.6
1712580000	HDC-KIT-HA 03.302	I.6
1712590000	HDC-KIT-HA 04.400	I.10
1712600000	HDC-KIT-HA 04.401	I.10
1712610000	HDC-KIT-HA 04.402	I.10
1712630000	HDC-KIT-HA 03.403	I.6
1712650000	HDC-KIT-HA 04.406	I.10
1712660000	HDC-KIT-HE 06.101	I.13
1712670000	HDC-KIT-HE 10.111	I.17
1712680000	HDC-KIT-HE 16.121	I.21
1712690000	HDC-KIT-HE 24.131	I.25

1720000000

1724000000	HDC-KIT-HSB 06.500	I.32

1740000000

1745760000	HDC HE 6 FT	B.24
1745770000	HDC HE 10 FT	B.26
1745780000	HDC HE 16 FT	B.28
1745780000	HDC HE 16 FT	B.32
1745790000	HDC HE 24 FT	B.30
1745790000	HDC HE 24 FT	B.34
1745800000	HDC HE 16 FT 17-32	B.32
1745810000	HDC HE 24 FT 25-48	B.34
1745820000	HDC HE 6 MT	B.24
1745830000	HDC HE 10 MT	B.26
1745840000	HDC HE 16 MT	B.28
1745840000	HDC HE 16 MT	B.32
1745850000	HDC HE 24 MT	B.30
1745850000	HDC HE 24 MT	B.34
1745860000	HDC HE 16 MT 17-32	B.32
1745870000	HDC HE 24 MT 25-48	B.34
1746170000	HDC 10A TOLU 2PG11G	D.10

1770000000

1772220000	VG M20 - MS 68	I.4
1772220000	VG M20 - MS 68	I.5
1772220000	VG M20 - MS 68	I.8
1772220000	VG M20 - MS 68	I.9
1772220000	VG M20 - MS 68	I.12
1772220000	VG M20 - MS 68	I.14
1772230000	VG M25 - MS 68	I.5
1772230000	VG M25 - MS 68	I.16
1772230000	VG M25 - MS 68	I.18
1772230000	VG M25 - MS 68	I.20
1772230000	VG M25 - MS 68	I.22
1772240000	VG M32 - MS 68	I.24
1772240000	VG M32 - MS 68	I.26
1772240000	VG M32 - MS 68	I.28
1772250000	VG M40 - MS 68	I.30
1772300000	VG M20-1/K68	I.4
1772300000	VG M20-1/K68	I.8
1772300000	VG M20-1/K68	I.9
1773630000	HDC-C-HD-S-LWL1.0P0F	J.12
1773640000	HDC-C-HD-B-LWL1.0P0F	J.12

1780000000

1783250000	HDC 10A KLU 2PG09G	D.11
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1786770000	HDC 64D TSBU 1M32G	B.55
1786770000	HDC 64D TSBU 1M32G	B.63
1786770000	HDC 64D TSBU 1M32G	B.79
1786770000	HDC 64D TSBU 1M32G	B.93
1786770000	HDC 64D TSBU 1M32G	B.105
1786770000	HDC 64D TSBU 1M32G	B.153
1786770000	HDC 64D TSBU 1M32G	B.155
1786770000	HDC 64D TSBU 1M32G	B.157
1786770000	HDC 64D TSBU 1M32G	D.28
1786780000	HDC 64D TSBU 1M25G	B.31
1786780000	HDC 64D TSBU 1M25G	B.55
1786780000	HDC 64D TSBU 1M25G	B.63
1786780000	HDC 64D TSBU 1M25G	B.79
1786780000	HDC 64D TSBU 1M25G	B.93
1786780000	HDC 64D TSBU 1M25G	B.105
1786780000	HDC 64D TSBU 1M25G	B.153
1786780000	HDC 64D TSBU 1M25G	B.155
1786780000	HDC 64D TSBU 1M25G	B.157
1786780000	HDC 64D TSBU 1M25G	D.28
1786790000	HDC 64D TSBO 1M32G	D.32

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1786800000	HDC 64D TSBO 1M25G	D.32
1786810000	HDC 64D TSLU 1M32G	D.30
1786830000	HDC 64D TOBU 1M32G	B.31
1786830000	HDC 64D TOBU 1M32G	B.55
1786830000	HDC 64D TOBU 1M32G	B.63
1786830000	HDC 64D TOBU 1M32G	B.79
1786830000	HDC 64D TOBU 1M32G	B.93
1786830000	HDC 64D TOBU 1M32G	B.105
1786830000	HDC 64D TOBU 1M32G	B.153
1786830000	HDC 64D TOBU 1M32G	B.155
1786830000	HDC 64D TOBU 1M32G	B.157
1786830000	HDC 64D TOBU 1M32G	D.28
1786860000	HDC 64D TOLU 1M32G	D.30
1786870000	HDC 64D TOLU 1M25G	D.30
1786880000	HDC 64D SBU 2M32G	B.31
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1786880000	HDC 64D SBU 2M32G	B.63
1786880000	HDC 64D SBU 2M32G	B.79
1786880000	HDC 64D SBU 2M32G	B.93
1786880000	HDC 64D SBU 2M32G	B.105
1786880000	HDC 64D SBU 2M32G	B.153
1786880000	HDC 64D SBU 2M32G	B.155
1786880000	HDC 64D SBU 2M32G	B.157
1786880000	HDC 64D SBU 2M32G	D.29
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1786890000	HDC 64D SBU 2M25G	B.55
1786890000	HDC 64D SBU 2M25G	B.63
1786890000	HDC 64D SBU 2M25G	B.79
1786890000	HDC 64D SBU 2M25G	B.93
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1786890000	HDC 64D SBU 2M25G	B.153
1786890000	HDC 64D SBU 2M25G	B.155
1786890000	HDC 64D SBU 2M25G	B.157
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1786900000	HDC 64D SLU 2M32G	D.31
1786910000	HDC 64D SLU 2M25G	D.31
1786920000	HDC 64D SDBO 2M32G	D.32
1786940000	HDC 64D SDLU 2M32G	D.31
1786950000	HDC 64D SDLU 2M25G	D.31
1786960000	HDC 64D KBU 1M32G	B.31
1786960000	HDC 64D KBU 1M32G	B.55
1786960000	HDC 64D KBU 1M32G	B.63
1786960000	HDC 64D KBU 1M32G	B.79
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1786960000	HDC 64D KBU 1M32G	B.155
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1786960000	HDC 64D KBU 1M32G	D.29
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1787000000	HDC 40D TSBU 1M32G	B.61
1787000000	HDC 40D TSBU 1M32G	B.75
1787000000	HDC 40D TSBU 1M32G	B.91
1787000000	HDC 40D TSBU 1M32G	B.103
1787000000	HDC 40D TSBU 1M32G	B.109
1787000000	HDC 40D TSBU 1M32G	B.143
1787000000	HDC 40D TSBU 1M32G	B.145
1787000000	HDC 40D TSBU 1M32G	B.147
1787000000	HDC 40D TSBU 1M32G	B.149
1787000000	HDC 40D TSBU 1M32G	B.151
1787000000	HDC 40D TSBU 1M32G	D.22
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1787010000	HDC 40D TSBU 1M25G	B.61
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1787010000	HDC 40D TSBU 1M25G	B.103
1787010000	HDC 40D TSBU 1M25G	B.109
1787010000	HDC 40D TSBU 1M25G	B.143
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1787010000	HDC 40D TSBU 1M25G	B.147
1787010000	HDC 40D TSBU 1M25G	B.149
1787010000	HDC 40D TSBU 1M25G	B.151
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1787020000	HDC 40D TSBO 1M32G	D.25
1787030000	HDC 40D TSBO 1M25G	D.25
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1787060000	HDC 40D TOBU 1M32G	B.149
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1787060000	HDC 40D TOBU 1M32G	D.22
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1787070000	HDC 40D TOBU 1M25G	B.53
1787070000	HDC 40D TOBU 1M25G	B.61
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1787070000	HDC 40D TOBU 1M25G	B.91
1787070000	HDC 40D TOBU 1M25G	B.103
1787070000	HDC 40D TOBU 1M25G	B.109

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1787070000	HDC 40D TOBU 1M25G	B.143
1787070000	HDC 40D TOBU 1M25G	B.145
1787070000	HDC 40D TOBU 1M25G	B.147
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1787070000	HDC 40D TOBU 1M25G	B.151
1787070000	HDC 40D TOBU 1M25G	D.22
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1787110000	HDC 40D SBU 2M32G	B.53
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1787110000	HDC 40D SBU 2M32G	B.109
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1787120000	HDC 40D SBU 2M25G	B.61
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1787120000	HDC 40D SBU 2M25G	B.103
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1787120000	HDC 40D SBU 2M25G	B.147
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1787120000	HDC 40D SBU 2M25G	B.151
1787120000	HDC 40D SBU 2M25G	D.23
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1787180000	HDC 40D SDLU 2M25G	D.24
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1787190000	HDC 40D KBU 1M32G	B.53
1787190000	HDC 40D KBU 1M32G	B.61
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1787190000	HDC 40D KBU 1M32G	B.103
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1787200000	HDC 40D KBU 1M25G	B.149
1787200000	HDC 40D KBU 1M25G	B.151
1787200000	HDC 40D KBU 1M25G	D.23
1787220000	HDC 40D KLU 1M25G	D.24
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1787230000	HDC 24D TSBU 1M32G	B.51
1787230000	HDC 24D TSBU 1M32G	B.89
1787230000	HDC 24D TSBU 1M32G	B.101
1787230000	HDC 24D TSBU 1M32G	B.141
1787230000	HDC 24D TSBU 1M32G	D.14
1787240000	HDC 24D TSBU 1M25G	B.27
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1787240000	HDC 24D TSBU 1M25G	B.89
1787240000	HDC 24D TSBU 1M25G	B.101
1787240000	HDC 24D TSBU 1M25G	B.141
1787240000	HDC 24D TSBU 1M25G	D.14
1787250000	HDC 24D TSBO 1M32G	D.18
1787260000	HDC 24D TSBO 1M25G	D.18
1787270000	HDC 24D TSLU 1M32G	D.16
1787280000	HDC 24D TSLU 1M25G	D.16
1787290000	HDC 24D TOBU 1M32G	B.27
1787290000	HDC 24D TOBU 1M32G	B.51
1787290000	HDC 24D TOBU 1M32G	B.89
1787290000	HDC 24D TOBU 1M32G	B.101
1787290000	HDC 24D TOBU 1M32G	B.141
1787290000	HDC 24D TOBU 1M32G	D.14
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1787300000	HDC 24D TOBU 1M25G	B.89
1787300000	HDC 24D TOBU 1M25G	B.101
1787300000	HDC 24D TOBU 1M25G	B.141
1787300000	HDC 24D TOBU 1M25G	D.14
1787330000	HDC 24D TOLU 1M32G	D.16
1787340000	HDC 24D TOLU 1M25G	D.16
1787350000	HDC 24D SBU 2M25G	D.15
1787360000	HDC 24D SBU 2M32G	D.15
1787370000	HDC 24D SLU 2M32G	D.16
1787400000	HDC 24D SDBO 2M25G	D.18
1787410000	HDC 24D SDLU 2M32G	D.16
1787420000	HDC 24D SDLU 2M25G	D.16
1787450000	HDC 24D KLU 1M32G	D.16

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1787460000	HDC 24D KLU 1M25G	D.16
1787470000	HDC 16D TSLU 1M32G	B.139
1787470000	HDC 16D TSLU 1M32G	D.12
1787480000	HDC 16D TSLU 1M25G	B.25
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1787480000	HDC 16D TSLU 1M25G	B.87
1787480000	HDC 16D TSLU 1M25G	B.139
1787480000	HDC 16D TSLU 1M25G	D.12
1787490000	HDC 16D TOLU 1M32G	B.25
1787490000	HDC 16D TOLU 1M32G	B.49
1787490000	HDC 16D TOLU 1M32G	B.87
1787490000	HDC 16D TOLU 1M32G	B.139
1787490000	HDC 16D TOLU 1M32G	D.12
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1787500000	HDC 16D TOLU 1M25G	B.49
1787500000	HDC 16D TOLU 1M25G	B.87
1787500000	HDC 16D TOLU 1M25G	B.139
1787500000	HDC 16D TOLU 1M25G	D.12
1787510000	HDC 16D SLU 2M32G	B.139
1787510000	HDC 16D SLU 2M32G	D.13
1787520000	HDC 16D SLU 2M25G	B.139
1787520000	HDC 16D SLU 2M25G	D.13
1787540000	HDC 16D SDLU 2M25G	B.139
1787540000	HDC 16D SDLU 2M25G	D.13
1787550000	HDC 10B TSBU 1M25G	B.27
1787550000	HDC 10B TSBU 1M25G	B.51
1787550000	HDC 10B TSBU 1M25G	B.89
1787550000	HDC 10B TSBU 1M25G	B.101
1787550000	HDC 10B TSBU 1M25G	B.141
1787550000	HDC 10B TSBU 1M25G	D.14
1787550000	HDC 10B TSBU 1M25G	I.16
1787550000	HDC 10B TSBU 1M25G	I.18
1787560000	HDC 10B TSBU 1M20G	B.27
1787560000	HDC 10B TSBU 1M20G	B.51
1787560000	HDC 10B TSBU 1M20G	B.89
1787560000	HDC 10B TSBU 1M20G	B.101
1787560000	HDC 10B TSBU 1M20G	B.141
1787560000	HDC 10B TSBU 1M20G	D.14
1787570000	HDC 10B TSBO 1M25G	D.18
1787580000	HDC 10B TSLU 1M25G	D.16
1787590000	HDC 10B TOBU 1M25G	B.27
1787590000	HDC 10B TOBU 1M25G	B.51
1787590000	HDC 10B TOBU 1M25G	B.89
1787590000	HDC 10B TOBU 1M25G	B.101
1787590000	HDC 10B TOBU 1M25G	B.141
1787590000	HDC 10B TOBU 1M25G	D.14
1787590000	HDC 10B TOBU 1M25G	I.16
1787590000	HDC 10B TOBU 1M25G	I.18
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1787600000	HDC 10B TOBU 1M20G	B.89
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1787600000	HDC 10B TOBU 1M20G	D.14
1787610000	HDC 10B TOBO 1M25G	D.18
1787620000	HDC 10B TOLU 1M25G	D.16
1787630000	HDC 10B SBU 2M25G	B.27
1787630000	HDC 10B SBU 2M25G	B.51
1787630000	HDC 10B SBU 2M25G	B.89
1787630000	HDC 10B SBU 2M25G	B.101
1787630000	HDC 10B SBU 2M25G	B.141
1787630000	HDC 10B SBU 2M25G	D.15
1787640000	HDC 10B SBU 2M20G	B.27
1787640000	HDC 10B SBU 2M20G	B.51
1787640000	HDC 10B SBU 2M20G	B.89
1787640000	HDC 10B SBU 2M20G	B.101
1787640000	HDC 10B SBU 2M20G	B.141
1787640000	HDC 10B SBU 2M20G	D.15
1787650000	HDC 10B SLU 2M25G	D.16
1787660000	HDC 10B SLU 2M20G	D.16
1787670000	HDC 10B SDBO 2M25G	D.18
1787680000	HDC 10B SDBO 2M20G	D.18
1787700000	HDC 10B SDLU 2M20G	D.16
1787720000	HDC 10B KBU 1M20G	B.27
1787720000	HDC 10B KBU 1M20G	B.51
1787720000	HDC 10B KBU 1M20G	B.89
1787720000	HDC 10B KBU 1M20G	B.101
1787720000	HDC 10B KBU 1M20G	B.141
1787720000	HDC 10B KBU 1M20G	D.15
1787730000	HDC 10B KLU 1M25G	D.16
1787740000	HDC 10B KLU 1M20G	D.16
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1787750000	HDC 24B TSBU 1M32G	B.55
1787750000	HDC 24B TSBU 1M32G	B.63
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1787750000	HDC 24B TSBU 1M32G	B.93
1787750000	HDC 24B TSBU 1M32G	B.105
1787750000	HDC 24B TSBU 1M32G	B.153
1787750000	HDC 24B TSBU 1M32G	B.155
1787750000	HDC 24B TSBU 1M32G	B.157
1787750000	HDC 24B TSBU 1M32G	D.28
1787750000	HDC 24B TSBU 1M32G	I.24
1787750000	HDC 24B TSBU 1M32G	I.26
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1787760000	HDC 24B TSBU 1M25G	B.157
1787760000	HDC 24B TSBU 1M25G	D.28
1787770000	HDC 24B TSBO 1M32G	D.32
1787780000	HDC 24B TSBO 1M25G	D.32
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1787820000	HDC 24B TOBU 1M25G	B.79
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1787820000	HDC 24B TOBU 1M25G	B.155
1787820000	HDC 24B TOBU 1M25G	B.157
1787820000	HDC 24B TOBU 1M25G	D.28
1787830000	HDC 24B TOBO 1M32G	D.32
1787850000	HDC 24B TOLU 1M32G	D.30
1787860000	HDC 24B TOLU 1M25G	D.30
1787870000	HDC 24B SBU 2M25G	B.31
1787870000	HDC 24B SBU 2M25G	B.55
1787870000	HDC 24B SBU 2M25G	B.63
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1787870000	HDC 24B SBU 2M25G	B.105
1787870000	HDC 24B SBU 2M25G	B.153
1787870000	HDC 24B SBU 2M25G	B.155
1787870000	HDC 24B SBU 2M25G	B.157
1787870000	HDC 24B SBU 2M25G	D.29
1787880000	HDC 24B SLU 2M25G	D.31
1787900000	HDC 24B SDLU 2M25G	D.31
1787920000	HDC 24B KBU 1M25G	B.31
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1787920000	HDC 24B KBU 1M25G	B.63
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1787920000	HDC 24B KBU 1M25G	B.93
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1787920000	HDC 24B KBU 1M25G	B.155
1787920000	HDC 24B KBU 1M25G	B.157
1787920000	HDC 24B KBU 1M25G	D.29
1787950000	HDC 32A TSBU 1M32G	B.19
1787950000	HDC 32A TSBU 1M32G	B.77
1787950000	HDC 32A TSBU 1M32G	D.26
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1787980000	HDC 32A TSBO 1M25G	D.27
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1788070000	HDC 32A KBU 1M32G	B.77
1788070000	HDC 32A KBU 1M32G	D.26
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1788080000	HDC 32A KBU 1M25G	D.26
1788090000	HDC 06B TSLU 1M25G	B.25
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1788090000	HDC 06B TSLU 1M25G	D.12
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1788100000	HDC 06B TSLU 1M20G	B.49
1788100000	HDC 06B TSLU 1M20G	B.87
1788100000	HDC 06B TSLU 1M20G	D.12
1788100000	HDC 06B TSLU 1M20G	I.12
1788100000	HDC 06B TSLU 1M20G	I.14
1788110000	HDC 06B TOLU 1M25G	B.25
1788110000	HDC 06B TOLU 1M25G	B.49
1788110000	HDC 06B TOLU 1M25G	B.87
1788110000	HDC 06B TOLU 1M25G	D.12
1788120000	HDC 06B TOLU 1M20G	B.25
1788120000	HDC 06B TOLU 1M20G	B.49
1788120000	HDC 06B TOLU 1M20G	B.87
1788120000	HDC 06B TOLU 1M20G	D.12
1788120000	HDC 06B TOLU 1M20G	I.12
1788120000	HDC 06B TOLU 1M20G	I.14
1788130000	HDC 06B SLU 2M25G	B.25

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1788130000	HDC 06B SLU 2M25G	B.49
1788130000	HDC 06B SLU 2M25G	B.87
1788130000	HDC 06B SLU 2M25G	D.13
1788140000	HDC 06B SLU 2M20G	B.25
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1788140000	HDC 06B SLU 2M20G	B.87
1788140000	HDC 06B SLU 2M20G	D.13
1788160000	HDC 06B SDLU 2M25G	B.25
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1788160000	HDC 06B SDLU 2M25G	B.87
1788160000	HDC 06B SDLU 2M25G	D.13
1788170000	HDC 06B SDLU 2M20G	B.25
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1788170000	HDC 06B SDLU 2M20G	B.87
1788170000	HDC 06B SDLU 2M20G	D.13
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1788180000	HDC 16B TSBU 1M25G	B.53
1788180000	HDC 16B TSBU 1M25G	B.61
1788180000	HDC 16B TSBU 1M25G	B.75
1788180000	HDC 16B TSBU 1M25G	B.91
1788180000	HDC 16B TSBU 1M25G	B.103
1788180000	HDC 16B TSBU 1M25G	B.109
1788180000	HDC 16B TSBU 1M25G	B.143
1788180000	HDC 16B TSBU 1M25G	B.145
1788180000	HDC 16B TSBU 1M25G	B.147
1788180000	HDC 16B TSBU 1M25G	B.149
1788180000	HDC 16B TSBU 1M25G	B.151
1788180000	HDC 16B TSBU 1M25G	D.22
1788180000	HDC 16B TSBU 1M25G	I.20
1788180000	HDC 16B TSBU 1M25G	I.22
1788190000	HDC 16B TSBO 1M25G	D.25
1788200000	HDC 16B TSLU 1M25G	D.24
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1788210000	HDC 16B TOBU 1M25G	B.53
1788210000	HDC 16B TOBU 1M25G	B.61
1788210000	HDC 16B TOBU 1M25G	B.75
1788210000	HDC 16B TOBU 1M25G	B.91
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1788210000	HDC 16B TOBU 1M25G	B.149
1788210000	HDC 16B TOBU 1M25G	B.151
1788210000	HDC 16B TOBU 1M25G	D.22
1788210000	HDC 16B TOBU 1M25G	I.20
1788210000	HDC 16B TOBU 1M25G	I.22
1788220000	HDC 16B TOBO 1M25G	D.25
1788230000	HDC 16B TOLU 1M25G	D.24
1788240000	HDC 16B SBU 2M25G	B.29
1788240000	HDC 16B SBU 2M25G	B.53
1788240000	HDC 16B SBU 2M25G	B.61
1788240000	HDC 16B SBU 2M25G	B.75
1788240000	HDC 16B SBU 2M25G	B.91
1788240000	HDC 16B SBU 2M25G	B.103
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1788240000	HDC 16B SBU 2M25G	B.149
1788240000	HDC 16B SBU 2M25G	B.151
1788240000	HDC 16B SBU 2M25G	D.23
1788250000	HDC 16B SLU 2M25G	D.24
1788260000	HDC 16B SDBO 2M25G	D.25
1788270000	HDC 16B SDLU 2M25G	D.24
1788290000	HDC 16B KLU 1M25G	D.24
1788300000	HDC 48B TSLU 1M50G	B.35
1788300000	HDC 48B TSLU 1M50G	B.83
1788300000	HDC 48B TSLU 1M50G	B.97
1788300000	HDC 48B TSLU 1M50G	D.38
1788310000	HDC 48B TSLU 1M40G	B.35
1788310000	HDC 48B TSLU 1M40G	B.83
1788310000	HDC 48B TSLU 1M40G	B.97
1788310000	HDC 48B TSLU 1M40G	D.38
1788310000	HDC 48B TSLU 1M40G	I.30
1788320000	HDC 48B TSLU 1M32G	B.35
1788320000	HDC 48B TSLU 1M32G	B.83
1788320000	HDC 48B TSLU 1M32G	B.97
1788320000	HDC 48B TSLU 1M32G	D.38
1788330000	HDC 48B TOLU 1M50G	B.35
1788330000	HDC 48B TOLU 1M50G	B.83
1788330000	HDC 48B TOLU 1M50G	B.97
1788330000	HDC 48B TOLU 1M50G	D.38
1788340000	HDC 48B TOLU 1M40G	D.38
1788350000	HDC 48B TOLU 1M32G	B.35
1788350000	HDC 48B TOLU 1M32G	B.83
1788350000	HDC 48B TOLU 1M32G	B.97
1788350000	HDC 48B TOLU 1M32G	D.38
1788360000	HDC 48B SLU 2M40G	B.35
1788360000	HDC 48B SLU 2M40G	B.83
1788360000	HDC 48B SLU 2M40G	B.97
1788360000	HDC 48B SLU 2M40G	D.38
1788370000	HDC 48B SLU 2M32G	B.35
1788370000	HDC 48B SLU 2M32G	B.83
1788370000	HDC 48B SLU 2M32G	B.97
1788370000	HDC 48B SLU 2M32G	D.38
1788390000	HDC 48B SDLU 2M32G	B.35
1788390000	HDC 48B SDLU 2M32G	B.83
1788390000	HDC 48B SDLU 2M32G	B.97

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1788390000	HDC 48B SDLU 2M32G	D.38
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1788400000	HDC 32B TSBU 1M32G	B.57
1788400000	HDC 32B TSBU 1M32G	B.81
1788400000	HDC 32B TSBU 1M32G	B.95
1788400000	HDC 32B TSBU 1M32G	B.111
1788400000	HDC 32B TSBU 1M32G	D.35
1788400000	HDC 32B TSBU 1M32G	I.28
1788410000	HDC 32B TSBO 1M32G	D.37
1788420000	HDC 32B TSLU 1M32G	D.36
1788430000	HDC 32B TOBU 1M32G	B.33
1788430000	HDC 32B TOBU 1M32G	B.57
1788430000	HDC 32B TOBU 1M32G	B.81
1788430000	HDC 32B TOBU 1M32G	B.95
1788430000	HDC 32B TOBU 1M32G	B.111
1788430000	HDC 32B TOBU 1M32G	D.35
1788450000	HDC 32B TOLU 1M32G	D.36
1788460000	HDC 32B SBU 2M32G	B.33
1788460000	HDC 32B SBU 2M32G	B.57
1788460000	HDC 32B SBU 2M32G	B.81
1788460000	HDC 32B SBU 2M32G	B.95
1788460000	HDC 32B SBU 2M32G	B.111
1788460000	HDC 32B SBU 2M32G	D.35
1788470000	HDC 32B SLU 2M32G	D.36
1788490000	HDC 32B SDLU 2M32G	D.36
1788500000	HDC 32B KLU 1M32G	D.36
1788510000	HDC 07A TWLU 1M20G	B.67
1788510000	HDC 07A TWLU 1M20G	B.69
1788510000	HDC 07A TWLU 1M20G	B.117
1788510000	HDC 07A TWLU 1M20G	D.4
1788520000	HDC 07A TOLU 1M20G	B.67
1788520000	HDC 07A TOLU 1M20G	B.69
1788520000	HDC 07A TOLU 1M20G	B.117
1788520000	HDC 07A TOLU 1M20G	D.4
1788520000	HDC 07A TOLU 1M20G	I.4
1788520000	HDC 07A TOLU 1M20G	I.5
1788520000	HDC 07A TOLU 1M20G	I.8
1788520000	HDC 07A TOLU 1M20G	I.9
1788530000	HDC 07A SLU 1M20G	B.67
1788530000	HDC 07A SLU 1M20G	B.69
1788530000	HDC 07A SLU 1M20G	B.117
1788530000	HDC 07A SLU 1M20G	D.5
1788540000	HDC 07A KOLU 1M20G	B.67
1788540000	HDC 07A KOLU 1M20G	B.69
1788540000	HDC 07A KOLU 1M20G	B.117
1788540000	HDC 07A KOLU 1M20G	D.5
1788550000	HDC 48A TSLU 1M32G	B.21
1788550000	HDC 48A TSLU 1M32G	D.34
1788560000	HDC 48A TOLU 1M32G	B.21
1788560000	HDC 48A TOLU 1M32G	D.34
1788570000	HDC 48A SLU 2M32G	B.21
1788570000	HDC 48A SLU 2M32G	D.34
1788610000	HDC 10A TOLU 1M25G	B.15
1788610000	HDC 10A TOLU 1M25G	B.71
1788610000	HDC 10A TOLU 1M25G	D.10
1788620000	HDC 10A TOLU 1M20G	B.15
1788620000	HDC 10A TOLU 1M20G	B.71
1788620000	HDC 10A TOLU 1M20G	D.10
1788630000	HDC 10A SLU 2M25G	B.15
1788630000	HDC 10A SLU 2M25G	B.71
1788630000	HDC 10A SLU 2M25G	D.11
1788640000	HDC 10A SLU 2M20G	B.15
1788640000	HDC 10A SLU 2M20G	B.71
1788640000	HDC 10A SLU 2M20G	D.11
1788650000	HDC 10A SDLU 2M25G	B.15
1788650000	HDC 10A SDLU 2M25G	B.71
1788650000	HDC 10A SDLU 2M25G	D.11
1788660000	HDC 10A SDLU 2M20G	B.15
1788660000	HDC 10A SDLU 2M20G	B.71
1788660000	HDC 10A SDLU 2M20G	D.11
1788670000	HDC 10A KLU 1M25G	B.15
1788670000	HDC 10A KLU 1M25G	B.71
1788670000	HDC 10A KLU 1M25G	D.11
1788680000	HDC 25A TSLU 1M20G	B.17
1788680000	HDC 25A TSLU 1M20G	B.73
1788680000	HDC 25A TSLU 1M20G	D.20
1788690000	HDC 25A TSLU 1M25G	B.17
1788690000	HDC 25A TSLU 1M25G	B.73
1788690000	HDC 25A TSLU 1M25G	D.20
1788700000	HDC 25A TOLU 1M25G	B.17
1788700000	HDC 25A TOLU 1M25G	B.73
1788700000	HDC 25A TOLU 1M25G	D.20
1788710000	HDC 25A TOLU 1M20G	B.17
1788710000	HDC 25A TOLU 1M20G	B.73
1788710000	HDC 25A TOLU 1M20G	D.20
1788740000	HDC 16A TSLU 1M25G	B.17
1788740000	HDC 16A TSLU 1M25G	B.73
1788740000	HDC 16A TSLU 1M25G	D.20
1788750000	HDC 16A TOLU 1M25G	B.17
1788750000	HDC 16A TOLU 1M25G	B.73
1788750000	HDC 16A TOLU 1M25G	D.20
1788760000	HDC 16A SLU 2M25G	B.17
1788760000	HDC 16A SLU 2M25G	B.73
1788760000	HDC 16A SLU 2M25G	D.20
1788770000	HDC 16A SLU 2M20G	B.17
1788770000	HDC 16A SLU 2M20G	B.73
1788770000	HDC 16A SLU 2M20G	D.20
1788780000	HDC 16A SDLU 2M25G	B.17
1788780000	HDC 16A SDLU 2M25G	B.73

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1788780000	HDC 16A SDLU 2M25G	D.20
1788790000	HDC 16A SDLU 2M20G	B.17
1788790000	HDC 16A SDLU 2M20G	B.73
1788790000	HDC 16A SDLU 2M20G	D.20
1788800000	HDC 16A KLU 1M25G	B.17
1788800000	HDC 16A KLU 1M25G	B.73
1788800000	HDC 16A KLU 1M25G	D.20
1788810000	HDC 04A TWLU 1M20G	B.7
1788810000	HDC 04A TWLU 1M20G	B.9
1788810000	HDC 04A TWLU 1M20G	B.11
1788810000	HDC 04A TWLU 1M20G	B.13
1788810000	HDC 04A TWLU 1M20G	B.119
1788810000	HDC 04A TWLU 1M20G	B.121
1788810000	HDC 04A TWLU 1M20G	B.123
1788810000	HDC 04A TWLU 1M20G	B.125
1788810000	HDC 04A TWLU 1M20G	D.6
1788820000	HDC 04A TOLU 1M20G	B.7
1788820000	HDC 04A TOLU 1M20G	B.9
1788820000	HDC 04A TOLU 1M20G	B.11
1788820000	HDC 04A TOLU 1M20G	B.13
1788820000	HDC 04A TOLU 1M20G	B.119
1788820000	HDC 04A TOLU 1M20G	B.121
1788820000	HDC 04A TOLU 1M20G	B.123
1788820000	HDC 04A TOLU 1M20G	B.125
1788820000	HDC 04A TOLU 1M20G	D.6
1788820000	HDC 04A TOLU 1M20G	I.4
1788820000	HDC 04A TOLU 1M20G	I.5
1788820000	HDC 04A TOLU 1M20G	I.8
1788820000	HDC 04A TOLU 1M20G	I.9
1788830000	HDC 04A SLU 1M20G	B.7
1788830000	HDC 04A SLU 1M20G	B.9
1788830000	HDC 04A SLU 1M20G	B.11
1788830000	HDC 04A SLU 1M20G	B.13
1788830000	HDC 04A SLU 1M20G	B.119
1788830000	HDC 04A SLU 1M20G	B.121
1788830000	HDC 04A SLU 1M20G	B.123
1788830000	HDC 04A SLU 1M20G	B.125
1788830000	HDC 04A SLU 1M20G	D.7
1788840000	HDC 04A KOLU 1M20G	B.7
1788840000	HDC 04A KOLU 1M20G	B.9
1788840000	HDC 04A KOLU 1M20G	B.11
1788840000	HDC 04A KOLU 1M20G	B.13
1788840000	HDC 04A KOLU 1M20G	B.119
1788840000	HDC 04A KOLU 1M20G	B.121
1788840000	HDC 04A KOLU 1M20G	B.123
1788840000	HDC 04A KOLU 1M20G	B.125
1788840000	HDC 04A KOLU 1M20G	D.7
1788850000	HDC 15A TSLU 1M25G	B.15
1788850000	HDC 15A TSLU 1M25G	B.71
1788850000	HDC 15A TSLU 1M25G	D.10
1788860000	HDC 15A TSLU 1M20G	B.15
1788860000	HDC 15A TSLU 1M20G	B.71
1788860000	HDC 15A TSLU 1M20G	D.10
1789980000	HDC S4 BAS	B.138
1789990000	HDC S4 SAS	B.138

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1790000000	HDC S6 12 SAS	B.148
1790010000	HDC S6 12 BAS	B.148
1790020000	HDC S6 6 BAS	B.154
1790030000	HDC S6 6 SAS	B.154
1799810000	HDC 48B SDLU 1PG29G	D.38

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1802360000	HDC-KIT-HE 48.150 M	I.30
1802370000	HDC-KIT-HE 32.140 M	I.28
1802380000	HDC-KIT-HE 24.130 M	I.24
1802390000	HDC-KIT-HE 16.121 M	I.20
1802400000	HDC-KIT-HE 16.120 M	I.20
1802410000	HDC-KIT-HE 10.111 M	I.16
1802420000	HDC-KIT-HE 10.110 M	I.16
1802430000	HDC-KIT-HA 04.401 M	I.8
1802440000	HDC-KIT-HA 04.400 M	I.8
1802450000	HDC-KIT-HA 03.302 M	I.4
1802460000	HDC-KIT-HA 03.301 M	I.4
1802470000	HDC-KIT-HA 03.300 M	I.4
1802480000	HDC-KIT-HE 24.131 M	I.24
1802700000	HDC KIT HA 04.402 M	I.8
1802720000	HDC KIT HA 04.406 M	I.8
1802730000	HDC KIT HE 06.100 M	I.12
1802740000	HDC KIT HE 06.101 M	I.12
1804610000	HDC 64D TSLU 1M40G	D.30
1804630000	HDC 16B TOLU 1M32G	D.24
1804640000	HDC 16B TSLU 1M32G	D.24
1804650000	HDC 40D TSLU 1M40G	D.24
1804660000	HDC 40D SLU 2M32G	D.24
1809620000	HDC 16B TSBU 1M40G	D.22
1809630000	HDC 64D TSBU 1M40G	D.28

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1826770000	HDC HEE 46 MC	B.54
1826780000	HDC HEE 46 FC	B.54
1826790000	HDC HEE 32 MC	B.52
1826790000	HDC HEE 32 MC	B.56
1826800000	HDC HEE 32 FC	B.52
1826800000	HDC HEE 32 FC	B.56

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1826810000	HDC HEE 18 MC	B.50
1826820000	HDC HEE 18 FC	B.50
1826830000	HDC HEE 10 MC	B.48
1826840000	HDC HEE 10 FC	B.48
1827160000	HDC HB 24 TEK TOS1XM50G	F.9
1827170000	HDC HB 24 TEK TOS1XM50G	F.9
1827470000	HDC HB 24 TEK AS M4	F.9

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1855680000	HDC-HB10 AWVL FD	J.28

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1866710000	REMOVAL TOOL CM 3	J.5
1866710000	REMOVAL TOOL CM 3	J.42
1866720000	REMOVAL TOOL CM 5	J.42
1866730000	REMOVAL TOOL HD	B.66
1866730000	REMOVAL TOOL HD	B.68
1866730000	REMOVAL TOOL HD	B.70
1866730000	REMOVAL TOOL HD	B.72
1866730000	REMOVAL TOOL HD	B.74
1866730000	REMOVAL TOOL HD	B.76
1866730000	REMOVAL TOOL HD	B.78
1866730000	REMOVAL TOOL HD	B.80
1866730000	REMOVAL TOOL HD	B.82
1866730000	REMOVAL TOOL HD	B.86
1866730000	REMOVAL TOOL HD	B.88
1866730000	REMOVAL TOOL HD	B.90
1866730000	REMOVAL TOOL HD	B.92
1866730000	REMOVAL TOOL HD	B.94
1866730000	REMOVAL TOOL HD	B.96
1866730000	REMOVAL TOOL HD	B.124
1866730000	REMOVAL TOOL HD	B.126
1866730000	REMOVAL TOOL HD	B.130
1866730000	REMOVAL TOOL HD	B.132
1866730000	REMOVAL TOOL HD	B.140
1866730000	REMOVAL TOOL HD	B.146
1866730000	REMOVAL TOOL HD	B.150
1866730000	REMOVAL TOOL HD	C.26
1866730000	REMOVAL TOOL HD	C.38
1866730000	REMOVAL TOOL HD	C.39
1866730000	REMOVAL TOOL HD	C.40
1866730000	REMOVAL TOOL HD	C.41
1866730000	REMOVAL TOOL HD	J.4
1866730000	REMOVAL TOOL HD	J.13
1866730000	REMOVAL TOOL HD	J.42
1866740000	REMOVAL TOOL CM 20	J.42
1866750000	REMOVAL TOOL HE	B.14
1866750000	REMOVAL TOOL HE	B.16
1866750000	REMOVAL TOOL HE	B.18
1866750000	REMOVAL TOOL HE	B.20
1866750000	REMOVAL TOOL HE	B.24
1866750000	REMOVAL TOOL HE	B.26
1866750000	REMOVAL TOOL HE	B.28
1866750000	REMOVAL TOOL HE	B.30
1866750000	REMOVAL TOOL HE	B.32
1866750000	REMOVAL TOOL HE	B.34
1866750000	REMOVAL TOOL HE	B.48
1866750000	REMOVAL TOOL HE	B.50
1866750000	REMOVAL TOOL HE	B.52
1866750000	REMOVAL TOOL HE	B.54
1866750000	REMOVAL TOOL HE	B.56
1866750000	REMOVAL TOOL HE	B.60
1866750000	REMOVAL TOOL HE	B.62
1866750000	REMOVAL TOOL HE	B.122
1866750000	REMOVAL TOOL HE	B.128
1866750000	REMOVAL TOOL HE	B.140
1866750000	REMOVAL TOOL HE	C.17
1866750000	REMOVAL TOOL HE	C.27
1866750000	REMOVAL TOOL HE	C.28
1866750000	REMOVAL TOOL HE	C.29
1866750000	REMOVAL TOOL HE	C.31
1866750000	REMOVAL TOOL HE	J.4
1866750000	REMOVAL TOOL HE	J.42
1866760000	REMOVAL TOOL AFK	J.42
1867360000	HDC SHIELD LEVER 8 SC	J.19
1867370000	HDC SHIELD LEVER 4 SC	J.19
1867380000	HDC SHIELD LEVER 6 SC	J.19
1867390000	HDC SHIELD LEVER 3 SC	J.19

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1873520000	HDC HE 6 FP	B.24
1873520000	HDC HE 6 FP	I.14
1873520000	HDC HE 6 FP	I.15
1873530000	HDC HE 6 MP	B.24
1873530000	HDC HE 6 MP	I.14
1873530000	HDC HE 6 MP	I.15
1873540000	HDC HE 10 FP	B.26
1873540000	HDC HE 10 FP	I.18
1873540000	HDC HE 10 FP	I.19
1873550000	HDC HE 10 MP	B.26
1873550000	HDC HE 10 MP	I.18
1873550000	HDC HE 10 MP	I.19
1873560000	HDC HE 16 FP	B.28
1873560000	HDC HE 16 FP	B.32
1873560000	HDC HE 16 FP	I.22
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1873570000	HDC HE 16 MP	B.28
1873570000	HDC HE 16 MP	B.32
1873570000	HDC HE 16 MP	I.22
1873570000	HDC HE 16 MP	I.23
1873580000	HDC HE 24 FP	B.30
1873580000	HDC HE 24 FP	B.34
1873580000	HDC HE 24 FP	I.26
1873580000	HDC HE 24 FP	I.27
1873590000	HDC HE 24 MP	B.30
1873590000	HDC HE 24 MP	B.34
1873590000	HDC HE 24 MP	I.26
1873590000	HDC HE 24 MP	I.27
1873860000	HDC HA 10 FC	B.14
1873870000	HDC HA 10 MC	B.14
1873880000	HDC HA 16 FC	B.16
1873880000	HDC HA 16 FC	B.18
1873880000	HDC HA 16 FC	B.20
1873890000	HDC HA 16 MC	B.16
1873890000	HDC HA 16 MC	B.18
1873890000	HDC HA 16 MC	B.20
1875620000	HDC HA 16 MC 17 - 32	B.18
1875620000	HDC HA 16 MC 17 - 32	B.20
1875740000	HDC HE 16 FP 17-32	B.32
1875800000	HDC HE 16 MP 17-32	B.32
1875850000	HDC HE 24 FP 25-48	B.34
1875890000	HDC HE 24 MP 25-48	B.34
1876040000	HDC HA 16 FC 17 - 32	B.18
1876040000	HDC HA 16 FC 17 - 32	B.20

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1896780000	HDC HA 10 FT	B.14
1896790000	HDC HA 10 MT	B.14
1896800000	HDC HA 16 FT	B.16
1896800000	HDC HA 16 FT	B.18
1896800000	HDC HA 16 FT	B.20
1896810000	HDC HA 16 FT 17-32	B.18
1896810000	HDC HA 16 FT 17-32	B.20
1896820000	HDC HA 16 FT 33-48	B.20
1896830000	HDC HA 16 MT	B.16
1896830000	HDC HA 16 MT	B.18
1896830000	HDC HA 16 MT	B.20
1896840000	HDC HA 16 MT 17-32	B.18
1896840000	HDC HA 16 MT 17-32	B.20
1896850000	HDC HA 16 MT 33-48	B.20
1899980000	HDC 16B SBU 1M25G	D.23

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1900080000	HDC 16B SDBO 1M25G	D.25
1900170000	HDC 16B SLU 1M25G	D.24
1900320000	HDC 04A ELU 1M20G	B.7
1900320000	HDC 04A ELU 1M20G	B.9
1900320000	HDC 04A ELU 1M20G	B.11
1900320000	HDC 04A ELU 1M20G	B.13
1900320000	HDC 04A ELU 1M20G	B.119
1900320000	HDC 04A ELU 1M20G	B.121
1900320000	HDC 04A ELU 1M20G	B.123
1900320000	HDC 04A ELU 1M20G	B.125
1900320000	HDC 04A ELU 1M20G	D.7
1900330000	HDC 04A ELU 1PG13S	D.7
1900360000	HDC 06B SDLU 1M20G	D.13
1900380000	HDC 06B SDLU 1M25G	D.13
1900460000	HDC 06B SLU 1M20G	D.13
1900480000	HDC 06B SLU 1M25G	D.13
1900820000	HDC 16D SDLU 1M25G	D.13
1900880000	HDC 16D SLU 1M25G	D.13
1900900000	HDC 16D SLU 1M32G	D.13
1900990000	HDC 07A ELU 1PG13G	B.67
1900990000	HDC 07A ELU 1PG13G	B.69
1900990000	HDC 07A ELU 1PG13G	B.117
1900990000	HDC 07A ELU 1PG13G	D.5
1901010000	HDC 10A SDLU 1M20G	D.11
1901040000	HDC 10A SDLU 1M25G	D.11
1901100000	HDC 10A SLU 1M20G	D.11
1901150000	HDC 24B SBU 1M25G	D.29
1901160000	HDC 10A SLU 1M25G	D.11
1901360000	HDC 10B SBU 1M20G	D.15
1901370000	HDC 10B SBU 1M25G	D.15
1901480000	HDC 24B SDLU 1M25G	D.31
1901490000	HDC 10B SDBO 1M20G	D.18
1901510000	HDC 10B SDBO 1M25G	D.18
1901560000	HDC 24B SLU 1M25G	D.31
1901570000	HDC 10B SDLU 1M20G	D.16
1901620000	HDC 10B SLU 1M20G	D.16
1901640000	HDC 10B SLU 1M25G	D.16
1901700000	HDC 10B AZO	D.19
1902330000	HDC 16A SLU 1M25G	D.20
1902480000	HDC 24B TSBU 1M40G	D.28
1902600000	HDC 32B SBU 1M32G	B.33
1902600000	HDC 32B SBU 1M32G	B.57
1902600000	HDC 32B SBU 1M32G	B.81
1902600000	HDC 32B SBU 1M32G	B.95
1902600000	HDC 32B SBU 1M32G	B.111
1902600000	HDC 32B SBU 1M32G	D.35
1902610000	HDC 32B SBU 1PG36G	B.33
1902610000	HDC 32B SBU 1PG36G	B.57
1902610000	HDC 32B SBU 1PG36G	B.81
1902610000	HDC 32B SBU 1PG36G	B.95

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1902610000	HDC 32B SBU 1PG36G	B.111
1902610000	HDC 32B SBU 1PG36G	D.35
1902640000	HDC 32B SBU 2PG36G	B.33
1902640000	HDC 32B SBU 2PG36G	B.57
1902640000	HDC 32B SBU 2PG36G	B.81
1902640000	HDC 32B SBU 2PG36G	B.95
1902640000	HDC 32B SBU 2PG36G	B.111
1902640000	HDC 32B SBU 2PG36G	D.35
1902650000	HDC 32B SDLU 1M32G	D.36
1902670000	HDC 32B SLU 1M32G	D.36
1902730000	HDC 32B KBU 1M40G	B.33
1902730000	HDC 32B KBU 1M40G	B.57
1902730000	HDC 32B KBU 1M40G	B.81
1902730000	HDC 32B KBU 1M40G	B.95
1902730000	HDC 32B KBU 1M40G	B.111
1902730000	HDC 32B KBU 1M40G	D.35
1902740000	HDC 32B KBU 1PG29G	B.33
1902740000	HDC 32B KBU 1PG29G	B.57
1902740000	HDC 32B KBU 1PG29G	B.81
1902740000	HDC 32B KBU 1PG29G	B.95
1902740000	HDC 32B KBU 1PG29G	B.111
1902740000	HDC 32B KBU 1PG29G	D.35
1902750000	HDC 32B KBU 1PG36G	B.33
1902750000	HDC 32B KBU 1PG36G	B.57
1902750000	HDC 32B KBU 1PG36G	B.81
1902750000	HDC 32B KBU 1PG36G	B.95
1902750000	HDC 32B KBU 1PG36G	B.111
1902750000	HDC 32B KBU 1PG36G	D.35
1902970000	HDC 40D SBU 1M25G	D.23
1902980000	HDC 24B TOBU 1M40G	D.28
1902990000	HDC 40D SBU 1M32G	D.23
1903070000	HDC 40D SDLU 1M25G	D.24
1903080000	HDC 40D SDLU 1M32G	D.24
1903110000	HDC 40D SLU 1M32G	D.24
1903210000	HDC 24D SBU 1M25G	D.15
1903220000	HDC 24D SBU 1M32G	D.15
1903370000	HDC 24D SDBO 1M25G	D.18
1903410000	HDC 24D SDLU 1M25G	D.16
1903510000	HDC 24D SDLU 1M32G	D.16
1903560000	HDC 24D SLU 1M32G	D.16
1903610000	HDC 24D TSZO 1M25G	D.19
1903870000	HDC 32A SBU 1M25G	D.26
1903900000	HDC 32A SDBO 1M25G	D.27
1903910000	HDC 32A SDBO 1M32G	D.27
1904150000	HDC 48B SDLU 1M32G	D.38
1904190000	HDC 48B SLU 1M32G	D.38
1904340000	HDC 64D SBU 1M25G	D.29
1904350000	HDC 64D SBU 1M32G	D.29
1904400000	HDC 64D SDBO 1M32G	D.32
1904430000	HDC 64D SDLU 1M25G	D.31
1904440000	HDC 64D SDLU 1M32G	D.31
1904480000	HDC 64D SLU 1M25G	D.31
1904490000	HDC 64D SLU 1M32G	D.31
1904690000	HDC 64D TSZO 1M40G	D.33
1904800000	HDC 40D TSBU 1M40G	D.22

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1912190000	HDC SHIELD CLAMP 4.5	J.24
1912200000	HDC SHIELD CLAMP 5.0	J.24
1912210000	HDC SHIELD CLAMP 6.0	J.24
1912220000	HDC SHIELD CLAMP 7.0	J.24
1912230000	HDC SHIELD CLAMP 8.0	J.24
1912240000	HDC SHIELD CLAMP 9.0	J.24
1912250000	HDC SHIELD CLAMP 10.0	J.24
1912440000	HDC HQ 5 MC	B.122
1912460000	HDC HQ 5 FC	B.122
1919970000	HDC HQ 8 MC	B.128
1919980000	HDC HQ 8 FC	B.128

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1927480000	HDC 40D TBU 2M32G CSS	D.22

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1934710000	HDC 16A SDLU 1M20G	D.20
1934720000	HDC 16A SLU 1M20G	D.20

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1963690000	HDC 04A DODL 1LB	D.6
1966810000	IE-KO-HAT	J.31
1967210000	HDC HVE 10+2 MT CTH	B.104
1967220000	HDC HVE 3+2 FT CTH	B.100
1967230000	HDC HVE 3+2 MT CTH	B.100
1967240000	HDC HVE 6+2 FT CTH	B.102
1967250000	HDC HVE 6+2 MT CTH	B.102
1967260000	HDC HVE 10+2 FT CTH	B.104
1967660000	HDC 10A TSLU 1M20G	D.10
1967670000	HDC 40D KBU 1PG29G	D.23
1967910000	HDC 24B ABO	D.32
1968340000	HDC 24B KLU 1M25G	D.31
1968350000	HDC 24D SZO 2PG21G	D.19
1968360000	HDC 24D TSZO 1PG21G	D.19
1968370000	HDC 64D SZO 2PG29G	D.33

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1983470000	HDC 64D TOLU 1M40G	D.30
1983500000	HDC 48B SDLU 2M40G	D.38
1983510000	HDC 48B SDLU 2M50G	D.38
1987450000	HDC FLDG 04A IP68	J.28
1987460000	HDC DG 04A IP68	J.28
1987470000	HDC FLDG 04A AW IP68	J.28
1987480000	HDC FLDG 06B IP68	J.28
1987490000	HDC DG 06B IP68	J.28
1987500000	HDC FLDG 10B IP68	J.28
1987510000	HDC DG 10B IP68	J.28
1987520000	HDC FLDG 16B IP68	J.28
1987530000	HDC DG 16B IP68	J.28
1987540000	HDC FLDG 24B IP68	J.28
1987550000	HDC FLDG 24B XXL IP68	J.28
1987920000	HDC HP 550 SSM SET	H.13
1987950000	HDC HP 550 SSF SET	H.13
1989290000	HDC MBUS 2 MCLIP	C.49
1989300000	HDC MBUS 2 PCLIP	C.49

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1993810000	HDC HQ 12 MC	B.126
1993820000	HDC HQ 12 FC	B.126
1994540000	ES EPG 45 HEX 150	H.8
1994540000	ES EPG 45 HEX 150	H.16
1994540000	ES EPG 45 HEX 150	J.33

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2003820050	HDC XX6A01 MOXXXXX-0050	C.65
2003820100	HDC XX6A01 MOXXXXX-0100	C.65
2003820150	HDC XX6A01 MOXXXXX-0150	C.65
2003820300	HDC XX6A01 MOXXXXX-0300	C.65
2003820500	HDC XX6A01 MOXXXXX-0500	C.65
2003830050	HDC XX6A02 MOXXXXX-0050	C.63
2003830100	HDC XX6A02 MOXXXXX-0100	C.63
2003830150	HDC XX6A02 MOXXXXX-0150	C.63
2003830300	HDC XX6A02 MOXXXXX-0300	C.63
2003830500	HDC XX6A02 MOXXXXX-0500	C.63
2003850050	HDC XX6A01 FOXXXXX-0050	C.64
2003850100	HDC XX6A01 FOXXXXX-0100	C.64
2003850150	HDC XX6A01 FOXXXXX-0150	C.64
2003850300	HDC XX6A01 FOXXXXX-0300	C.64
2003850500	HDC XX6A01 FOXXXXX-0500	C.64
2003860050	HDC XX6A02 FOXXXXX-0050	C.63
2003860100	HDC XX6A02 FOXXXXX-0100	C.63
2003860150	HDC XX6A02 FOXXXXX-0150	C.63
2003860300	HDC XX6A02 FOXXXXX-0300	C.63
2003860500	HDC XX6A02 FOXXXXX-0500	C.63
2003890050	HDC XX5E01 MOXXXXX-0050	C.59
2003890100	HDC XX5E01 MOXXXXX-0100	C.59
2003890150	HDC XX5E01 MOXXXXX-0150	C.59
2003890300	HDC XX5E01 MOXXXXX-0300	C.59
2003890500	HDC XX5E01 MOXXXXX-0500	C.59
2003900050	HDC XX5E02 MOXXXXX-0050	C.61
2003900100	HDC XX5E02 MOXXXXX-0100	C.61
2003900150	HDC XX5E02 MOXXXXX-0150	C.61
2003900300	HDC XX5E02 MOXXXXX-0300	C.61
2003900500	HDC XX5E02 MOXXXXX-0500	C.61
2003920050	HDC XX5E01 FOXXXXX-0050	C.59
2003920100	HDC XX5E01 FOXXXXX-0100	C.59
2003920150	HDC XX5E01 FOXXXXX-0150	C.59
2003920300	HDC XX5E01 FOXXXXX-0300	C.59
2003920500	HDC XX5E01 FOXXXXX-0500	C.59
2003930050	HDC XX5E02 FOXXXXX-0050	C.60
2003930100	HDC XX5E02 FOXXXXX-0100	C.60
2003930150	HDC XX5E02 FOXXXXX-0150	C.60
2003930300	HDC XX5E02 FOXXXXX-0300	C.60
2003930500	HDC XX5E02 FOXXXXX-0500	C.60
2008210000	HDC HP 250 SSM BO SET	H.7
2008220000	HDC HP 250 SSF BO SET	H.7

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2065540000	HDC 10B DMDL 1LB	D.16

2080000000

2088980000	HDC 07A ALU BLK	D.5
2089000000	HDC 07A TOLU 1M20G BLK	D.4

2420000000

2427900000	HDC MBUS8 X6A MC	C.53
2427910000	HDC MBUS8 X6A FC	C.53
2427920000	HDC MBUS4 D5E MC	C.52
2427930000	HDC MBUS4 D5E FC	C.52

2430000000

2430170000	HDC IP68 04A AWS 1M25	B.127
2430170000	HDC IP68 04A AWS 1M25	F.4
2433160000	WB SI SL 0.4X2.5	J.36
2433170000	WB SI SL 0.5X3.0	J.36
2433180000	WB SI SL 0.6X3.5	J.36
2433190000	WB SI SL 0,8X4,0	J.36
2433200000	WB SI SL 1,0X5,5	J.36

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2433210000	WB IK SL PH1	J.36
2433220000	WB IK SL PH2	J.36
2433230000	WB IK SL PZ1	J.36
2433240000	WB IK SL PZ2	J.36

2450000000

2450440050	HDC XX6A01 MFSM12X-0050	C.65
2450440100	HDC XX6A01 MFSM12X-0100	C.65
2450440150	HDC XX6A01 MFSM12X-0150	C.65
2450440300	HDC XX6A01 MFSM12X-0300	C.65
2450440500	HDC XX6A01 MFSM12X-0500	C.65
2450450050	HDC XX5E01 MFSM12D-0050	C.59
2450450100	HDC XX5E01 MFSM12D-0100	C.59
2450450150	HDC XX5E01 MFSM12D-0150	C.59
2450450300	HDC XX5E01 MFSM12D-0300	C.59
2450450500	HDC XX5E01 MFSM12D-0500	C.59
2450490050	HDC XX5E01 MMSRJ45-0050	C.59
2450490100	HDC XX5E01 MMSRJ45-0100	C.59
2450490150	HDC XX5E01 MMSRJ45-0150	C.59
2450490300	HDC XX5E01 MMSRJ45-0300	C.59
2450490500	HDC XX5E01 MMSRJ45-0500	C.59
2451080050	HDC XX5E01 FMSRJ45-0050	C.58
2451080100	HDC XX5E01 FMSRJ45-0100	C.58
2451080150	HDC XX5E01 FMSRJ45-0150	C.58
2451080300	HDC XX5E01 FMSRJ45-0300	C.58
2451080500	HDC XX5E01 FMSRJ45-0500	C.58
2451090050	HDC XX6A01 MMSRJ45-0050	C.65
2451090100	HDC XX6A01 MMSRJ45-0100	C.65
2451090150	HDC XX6A01 MMSRJ45-0150	C.65
2451090300	HDC XX6A01 MMSRJ45-0300	C.65
2451090500	HDC XX6A01 MMSRJ45-0500	C.65
2451100050	HDC XX6A01 FMSRJ45-0050	C.64
2451100100	HDC XX6A01 FMSRJ45-0100	C.64
2451100150	HDC XX6A01 FMSRJ45-0150	C.64
2451100300	HDC XX6A01 FMSRJ45-0300	C.64
2451100500	HDC XX6A01 FMSRJ45-0500	C.64
2451110050	HDC XX5E01 MMSM12D-0050	C.59
2451110100	HDC XX5E01 MMSM12D-0100	C.59
2451110150	HDC XX5E01 MMSM12D-0150	C.59
2451110300	HDC XX5E01 MMSM12D-0300	C.59
2451110500	HDC XX5E01 MMSM12D-0500	C.59
2451120050	HDC XX5E01 FMSM12D-0050	C.58
2451120100	HDC XX5E01 FMSM12D-0100	C.58
2451120150	HDC XX5E01 FMSM12D-0150	C.58
2451120300	HDC XX5E01 FMSM12D-0300	C.58
2451120500	HDC XX5E01 FMSM12D-0500	C.58
2451130050	HDC XX6A01 MMSM12X-0050	C.65
2451130100	HDC XX6A01 MMSM12X-0100	C.65
2451130150	HDC XX6A01 MMSM12X-0150	C.65
2451130300	HDC XX6A01 MMSM12X-0300	C.65
2451130500	HDC XX6A01 MMSM12X-0500	C.65
2451140050	HDC XX6A01 FMSM12X-0050	C.64
2451140100	HDC XX6A01 FMSM12X-0100	C.64
2451140150	HDC XX6A01 FMSM12X-0150	C.64
2451140300	HDC XX6A01 FMSM12X-0300	C.64
2451140500	HDC XX6A01 FMSM12X-0500	C.64
2451460000	HDC IP68 HP 24B 1M50	H.7
2451460000	HDC IP68 HP 24B 1M50	H.13
2453540050	HDC XX6A01 MFSXXXX-0050	C.65
2453540100	HDC XX6A01 MFSXXXX-0100	C.65
2453540150	HDC XX6A01 MFSXXXX-0150	C.65
2453540300	HDC XX6A01 MFSXXXX-0300	C.65
2453540500	HDC XX6A01 MFSXXXX-0500	C.65
2453550050	HDC XX5E01 MFSXXXX-0050	C.59
2453550100	HDC XX5E01 MFSXXXX-0100	C.59
2453550150	HDC XX5E01 MFSXXXX-0150	C.59
2453550300	HDC XX5E01 MFSXXXX-0300	C.59
2453550500	HDC XX5E01 MFSXXXX-0500	C.59
2457660000	VGM40-MS68 EMC 20-32SET	H.8
2457660000	VGM40-MS68 EMC 20-32SET	H.13

2470000000

2473940000	HDC IP68 HP 24B 1M63	H.7
2473940000	HDC IP68 HP 24B 1M63	H.13

2480000000

2488560000	HDC 06B ALU N	B.25
2488560000	HDC 06B ALU N	B.49
2488560000	HDC 06B ALU N	B.87
2488560000	HDC 06B ALU N	B.139
2488560000	HDC 06B ALU N	D.13
2488580000	HDC 10B ABU N	B.27
2488580000	HDC 10B ABU N	B.51
2488580000	HDC 10B ABU N	B.89
2488580000	HDC 10B ABU N	B.101
2488580000	HDC 10B ABU N	B.141
2488580000	HDC 10B ABU N	D.15
2488590000	HDC 16B ABU N	B.29
2488590000	HDC 16B ABU N	B.53
2488590000	HDC 16B ABU N	B.61
2488590000	HDC 16B ABU N	B.75
2488590000	HDC 16B ABU N	B.91
2488590000	HDC 16B ABU N	B.103
2488590000	HDC 16B ABU N	B.109
2488590000	HDC 16B ABU N	B.143
2488590000	HDC 16B ABU N	B.145

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2488590000	HDC 16B ABU N	B.147
2488590000	HDC 16B ABU N	B.149
2488590000	HDC 16B ABU N	B.151
2488590000	HDC 16B ABU N	D.23
2488600000	HDC 24B ABU N	B.31
2488600000	HDC 24B ABU N	B.55
2488600000	HDC 24B ABU N	B.63
2488600000	HDC 24B ABU N	B.79
2488600000	HDC 24B ABU N	B.93
2488600000	HDC 24B ABU N	B.105
2488600000	HDC 24B ABU N	B.153
2488600000	HDC 24B ABU N	B.155
2488600000	HDC 24B ABU N	B.157
2488600000	HDC 24B ABU N	D.29
2489300000	WK I SLIM BIT	J.36

2490000000

2494550000	HDC C MHX SM10.0AG	C.20
2494550000	HDC C MHX SM10.0AG	C.24
2494560000	HDC C MHX BM10.0AG	C.20
2494560000	HDC C MHX BM10.0AG	C.24
2498320000	VGM40L-MS68EMC 20-32SET	H.8
2498320000	VGM40L-MS68EMC 20-32SET	H.13

2500000000

2503540050	HDC XX5E01 FFSM12D-0050	C.58
2503540100	HDC XX5E01 FFSM12D-0100	C.58
2503540150	HDC XX5E01 FFSM12D-0150	C.58
2503540300	HDC XX5E01 FFSM12D-0300	C.58
2503540500	HDC XX5E01 FFSM12D-0500	C.58
2503550050	HDC XX6A01 FFSM12X-0050	C.64
2503550100	HDC XX6A01 FFSM12X-0100	C.64
2503550150	HDC XX6A01 FFSM12X-0150	C.64
2503550300	HDC XX6A01 FFSM12X-0300	C.64
2503550500	HDC XX6A01 FFSM12X-0500	C.64
2503690050	HDC XX6A02 MFSM12X-0050	C.63
2503690100	HDC XX6A02 MFSM12X-0100	C.63
2503690150	HDC XX6A02 MFSM12X-0150	C.63
2503690300	HDC XX6A02 MFSM12X-0300	C.63
2503690500	HDC XX6A02 MFSM12X-0500	C.63
2503700050	HDC XX5E02 MFSM12D-0050	C.61
2503700100	HDC XX5E02 MFSM12D-0100	C.61
2503700150	HDC XX5E02 MFSM12D-0150	C.61
2503700300	HDC XX5E02 MFSM12D-0300	C.61
2503700500	HDC XX5E02 MFSM12D-0500	C.61
2503710050	HDC XX5E02 MMSRJ45-0050	C.61
2503710100	HDC XX5E02 MMSRJ45-0100	C.61
2503710150	HDC XX5E02 MMSRJ45-0150	C.61
2503710300	HDC XX5E02 MMSRJ45-0300	C.61
2503710500	HDC XX5E02 MMSRJ45-0500	C.61
2503720050	HDC XX5E02 FMSRJ45-0050	C.60
2503720100	HDC XX5E02 FMSRJ45-0100	C.60
2503720150	HDC XX5E02 FMSRJ45-0150	C.60
2503720300	HDC XX5E02 FMSRJ45-0300	C.60
2503720500	HDC XX5E02 FMSRJ45-0500	C.60
2503730050	HDC XX6A02 MMSRJ45-0050	C.63
2503730100	HDC XX6A02 MMSRJ45-0100	C.63
2503730150	HDC XX6A02 MMSRJ45-0150	C.63
2503730300	HDC XX6A02 MMSRJ45-0300	C.63
2503730500	HDC XX6A02 MMSRJ45-0500	C.63
2503740050	HDC XX6A02 FMSRJ45-0050	C.62
2503740100	HDC XX6A02 FMSRJ45-0100	C.62
2503740150	HDC XX6A02 FMSRJ45-0150	C.62
2503740300	HDC XX6A02 FMSRJ45-0300	C.62
2503740500	HDC XX6A02 FMSRJ45-0500	C.62
2503750050	HDC XX5E02 MMSM12D-0050	C.61
2503750100	HDC XX5E02 MMSM12D-0100	C.61
2503750150	HDC XX5E02 MMSM12D-0150	C.61
2503750300	HDC XX5E02 MMSM12D-0300	C.61
2503750500	HDC XX5E02 MMSM12D-0500	C.61
2503760050	HDC XX5E02 FMSM12D-0050	C.60
2503760100	HDC XX5E02 FMSM12D-0100	C.60
2503760150	HDC XX5E02 FMSM12D-0150	C.60
2503760300	HDC XX5E02 FMSM12D-0300	C.60
2503760500	HDC XX5E02 FMSM12D-0500	C.60
2503770050	HDC XX6A02 MMSM12X-0050	C.63
2503770100	HDC XX6A02 MMSM12X-0100	C.63
2503770150	HDC XX6A02 MMSM12X-0150	C.63
2503770300	HDC XX6A02 MMSM12X-0300	C.63
2503770500	HDC XX6A02 MMSM12X-0500	C.63
2503780050	HDC XX6A02 FMSM12X-0050	C.62
2503780100	HDC XX6A02 FMSM12X-0100	C.62
2503780150	HDC XX6A02 FMSM12X-0150	C.62
2503780300	HDC XX6A02 FMSM12X-0300	C.62
2503780500	HDC XX6A02 FMSM12X-0500	C.62
2503790050	HDC XX5E02 MFSXXXX-0050	C.61
2503790100	HDC XX5E02 MFSXXXX-0100	C.61
2503790150	HDC XX5E02 MFSXXXX-0150	C.61
2503790300	HDC XX5E02 MFSXXXX-0300	C.61
2503790500	HDC XX5E02 MFSXXXX-0500	C.61
2503800050	HDC XX6A02 MFSXXXX-0050	C.63
2503800100	HDC XX6A02 MFSXXXX-0100	C.63
2503800150	HDC XX6A02 MFSXXXX-0150	C.63
2503800300	HDC XX6A02 MFSXXXX-0300	C.63
2503800500	HDC XX6A02 MFSXXXX-0500	C.63
2503810050	HDC XX5E02 FFSM12D-0050	C.60
2503810100	HDC XX5E02 FFSM12D-0100	C.60

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2503810150	HDC XX5E02 FFSM12D-0150	C.60
2503810300	HDC XX5E02 FFSM12D-0300	C.60
2503810500	HDC XX5E02 FFSM12D-0500	C.60
2503820050	HDC XX6A02 FFSM12X-0050	C.62
2503820100	HDC XX6A02 FFSM12X-0100	C.62
2503820150	HDC XX6A02 FFSM12X-0150	C.62
2503820300	HDC XX6A02 FFSM12X-0300	C.62
2503820500	HDC XX6A02 FFSM12X-0500	C.62
2505150000	ES EPG/HPG 60 HEX 6	J.9
2505160000	ES EPG/HPG 60 HEX 10	J.9
2505170000	ES EPG/HPG 60 HEX 16	J.9
2505180000	ES EPG/HPG 60 HEX 25	J.9
2505190000	ES EPG/HPG 60 HEX 35	J.9
2505200000	ES EPG/HPG 60 HEX 50	J.9
2505210000	ES EPG/HPG 60 HEX 70	J.9
2506000000	WB I T10	J.36
2506010000	WB I T15	J.36
2506020000	WB I T20	J.36
2506030000	WB I VK 1	J.36
2506040000	WB I VK 2	J.36
2506050000	WB I SK 2.5	J.36
2506060000	WB I SK 3	J.36
2506070000	WB I SK 4	J.36
2506080000	WB I SK 5	J.36

2510000000

2514820000	HDC MHP200 F 25	C.12
2514820000	HDC MHP200 F 25	J.7
2514820000	HDC MHP200 F 25	J.9
2514830000	HDC MHP200 F 35	C.12
2514830000	HDC MHP200 F 35	J.7
2514830000	HDC MHP200 F 35	J.9
2514840000	HDC MHP200 F 50	C.12
2514840000	HDC MHP200 F 50	J.7
2514840000	HDC MHP200 F 50	J.9
2514850000	HDC MHP200 F 70	C.12
2514850000	HDC MHP200 F 70	J.7
2514850000	HDC MHP200 F 70	J.9
2514860000	HDC MHP200 M 25	C.12
2514860000	HDC MHP200 M 25	J.7
2514860000	HDC MHP200 M 25	J.9
2514870000	HDC MHP200 M 35	C.12
2514870000	HDC MHP200 M 35	J.7
2514870000	HDC MHP200 M 35	J.9
2514880000	HDC MHP200 M 50	C.12
2514880000	HDC MHP200 M 50	J.7
2514880000	HDC MHP200 M 50	J.9
2514890000	HDC MHP200 M 70	C.12
2514890000	HDC MHP200 M 70	J.7
2514890000	HDC MHP200 M 70	J.9

2520000000

2527810000	HDC 24B ABU EMC	E.7

2530000000

2534550000	HDC LL 06B N	J.30
2535150000	HDC LL 10B N	J.30

2540000000

2542230000	HDC 06B ALU EMC	E.4
2542310000	HDC 10B ABU EMC	E.5
2542320000	HDC 16B ABU EMC	E.6
2543960000	HDC 16D TSLU 1M32G EMC	E.4
2543970000	HDC 16D TOLU 1M32G EMC	E.4
2544010000	HDC 24D TSBU 1M32G EMC	E.5
2544020000	HDC 24D TOBU 1M32G EMC	E.5
2544030000	HDC 40D TSBU 1M40G EMC	E.6
2544040000	HDC 40D TOBU 1M40G EMC	E.6
2544050000	HDC 64D TSBU 1M40G EMC	E.7
2544060000	HDC 64D TOBU 1M40G EMC	E.7
2545510000	HDC 40D KBU 2M32G N	B.29
2545510000	HDC 40D KBU 2M32G N	B.53
2545510000	HDC 40D KBU 2M32G N	B.61
2545510000	HDC 40D KBU 2M32G N	B.75
2545510000	HDC 40D KBU 2M32G N	B.91
2545510000	HDC 40D KBU 2M32G N	B.103
2545510000	HDC 40D KBU 2M32G N	B.109
2545510000	HDC 40D KBU 2M32G N	B.143
2545510000	HDC 40D KBU 2M32G N	B.145
2545510000	HDC 40D KBU 2M32G N	B.147
2545510000	HDC 40D KBU 2M32G N	B.149
2545510000	HDC 40D KBU 2M32G N	B.151
2545510000	HDC 40D KBU 2M32G N	D.23
2546830300	HDC XX6A03 FMSRJ45-0300	C.66
2546830600	HDC XX6A03 FMSRJ45-0600	C.66
2546843000	HDC XX6A03 MMSXXXX-3000	C.66
2546845000	HDC XX6A03 MMSXXXX-5000	C.66
2548113000	HDC XX6A03 MFSXXXX-3000	C.66
2548900000	HDC MHP 200 MC	C.12
2548900000	HDC MHP 200 MC	J.9
2549260000	HDC MHP 200 FC	C.12
2549260000	HDC MHP 200 FC	J.9

2550000000

2559320000	HDC 06B ADLU N	B.25
2559320000	HDC 06B ADLU N	B.49
2559320000	HDC 06B ADLU N	B.87
2559320000	HDC 06B ADLU N	B.139
2559320000	HDC 06B ADLU N	D.13
2559730000	HDC 06B DMDL 1LB N	B.25
2559730000	HDC 06B DMDL 1LB N	B.49
2559730000	HDC 06B DMDL 1LB N	B.87
2559730000	HDC 06B DMDL 1LB N	B.139
2559730000	HDC 06B DMDL 1LB N	D.12
2559740000	HDC 10B DMDQ 20B N	B.27
2559740000	HDC 10B DMDQ 20B N	B.51
2559740000	HDC 10B DMDQ 20B N	B.89
2559740000	HDC 10B DMDQ 20B N	B.101
2559740000	HDC 10B DMDQ 20B N	B.141
2559740000	HDC 10B DMDQ 20B N	D.14
2559760000	HDC 24B DMDQ 20B N	B.31
2559760000	HDC 24B DMDQ 20B N	B.55
2559760000	HDC 24B DMDQ 20B N	B.63
2559760000	HDC 24B DMDQ 20B N	B.79
2559760000	HDC 24B DMDQ 20B N	B.93
2559760000	HDC 24B DMDQ 20B N	B.105
2559760000	HDC 24B DMDQ 20B N	B.153
2559760000	HDC 24B DMDQ 20B N	B.155
2559760000	HDC 24B DMDQ 20B N	B.157
2559760000	HDC 24B DMDQ 20B N	D.28
2559860000	HDC 10B KBU 1M20G N	B.27
2559860000	HDC 10B KBU 1M20G N	B.51
2559860000	HDC 10B KBU 1M20G N	B.89
2559860000	HDC 10B KBU 1M20G N	B.101
2559860000	HDC 10B KBU 1M20G N	B.141
2559860000	HDC 10B KBU 1M20G N	D.15
2559870000	HDC 24B KBU 1M25G N	B.31
2559870000	HDC 24B KBU 1M25G N	B.55
2559870000	HDC 24B KBU 1M25G N	B.63
2559870000	HDC 24B KBU 1M25G N	B.79
2559870000	HDC 24B KBU 1M25G N	B.93
2559870000	HDC 24B KBU 1M25G N	B.105
2559870000	HDC 24B KBU 1M25G N	B.153
2559870000	HDC 24B KBU 1M25G N	B.155
2559870000	HDC 24B KBU 1M25G N	B.157
2559870000	HDC 24B KBU 1M25G N	D.29
2559880000	HDC 24B KBU 2M32G N	B.31
2559880000	HDC 24B KBU 2M32G N	B.55
2559880000	HDC 24B KBU 2M32G N	B.63
2559880000	HDC 24B KBU 2M32G N	B.79
2559880000	HDC 24B KBU 2M32G N	B.93
2559880000	HDC 24B KBU 2M32G N	B.105
2559880000	HDC 24B KBU 2M32G N	B.153
2559880000	HDC 24B KBU 2M32G N	B.155
2559880000	HDC 24B KBU 2M32G N	B.157
2559880000	HDC 24B KBU 2M32G N	D.29
2559890000	HDC 40D KBU 1M25G N	B.29
2559890000	HDC 40D KBU 1M25G N	B.53
2559890000	HDC 40D KBU 1M25G N	B.61
2559890000	HDC 40D KBU 1M25G N	B.75
2559890000	HDC 40D KBU 1M25G N	B.91
2559890000	HDC 40D KBU 1M25G N	B.103
2559890000	HDC 40D KBU 1M25G N	B.109
2559890000	HDC 40D KBU 1M25G N	B.143
2559890000	HDC 40D KBU 1M25G N	B.145
2559890000	HDC 40D KBU 1M25G N	B.147
2559890000	HDC 40D KBU 1M25G N	B.149
2559890000	HDC 40D KBU 1M25G N	B.151
2559890000	HDC 40D KBU 1M25G N	D.23
2559900000	HDC 40D KBU 1M32G N	B.29
2559900000	HDC 40D KBU 1M32G N	B.53
2559900000	HDC 40D KBU 1M32G N	B.61
2559900000	HDC 40D KBU 1M32G N	B.75
2559900000	HDC 40D KBU 1M32G N	B.91
2559900000	HDC 40D KBU 1M32G N	B.103
2559900000	HDC 40D KBU 1M32G N	B.109
2559900000	HDC 40D KBU 1M32G N	B.143
2559900000	HDC 40D KBU 1M32G N	B.145
2559900000	HDC 40D KBU 1M32G N	B.147
2559900000	HDC 40D KBU 1M32G N	B.149
2559900000	HDC 40D KBU 1M32G N	B.151
2559900000	HDC 40D KBU 1M32G N	D.23
2559910000	HDC 64D KBU 1M32G N	B.31
2559910000	HDC 64D KBU 1M32G N	B.55
2559910000	HDC 64D KBU 1M32G N	B.63
2559910000	HDC 64D KBU 1M32G N	B.79
2559910000	HDC 64D KBU 1M32G N	B.93
2559910000	HDC 64D KBU 1M32G N	B.105
2559910000	HDC 64D KBU 1M32G N	B.153
2559910000	HDC 64D KBU 1M32G N	B.155
2559910000	HDC 64D KBU 1M32G N	B.157
2559910000	HDC 64D KBU 1M32G N	D.29

2560000000

2560710000	HDC 06B SLU 1M25G N	D.13
2560720000	HDC 06B SDLU 1M20G N	B.25
2560720000	HDC 06B SDLU 1M20G N	B.49
2560720000	HDC 06B SDLU 1M20G N	B.87
2560720000	HDC 06B SDLU 1M20G N	D.13
2560730000	HDC 10B SBU 1PG16G N	D.15
2560740000	HDC 16B SBU 1M25G N	B.29
2560740000	HDC 16B SBU 1M25G N	B.53
2560740000	HDC 16B SBU 1M25G N	B.61
2560740000	HDC 16B SBU 1M25G N	B.75
2560740000	HDC 16B SBU 1M25G N	B.91
2560740000	HDC 16B SBU 1M25G N	B.103
2560740000	HDC 16B SBU 1M25G N	B.109
2560740000	HDC 16B SBU 1M25G N	B.143
2560740000	HDC 16B SBU 1M25G N	B.145
2560740000	HDC 16B SBU 1M25G N	B.147
2560740000	HDC 16B SBU 1M25G N	B.149
2560740000	HDC 16B SBU 1M25G N	B.151
2560740000	HDC 16B SBU 1M25G N	D.23
2560750000	HDC 24B SBU 1PG21G N	D.29
2560760000	HDC 24D SBU 2M25G N	D.15
2560810000	HDC 06B SDLU 1PG16G N	D.13
2560820000	HDC 06B SDLU 2M20G N	D.13
2560830000	HDC 06B SDLU 2M25G N	B.25
2560830000	HDC 06B SDLU 2M25G N	B.49
2560830000	HDC 06B SDLU 2M25G N	B.87
2560830000	HDC 06B SDLU 2M25G N	D.13
2560840000	HDC 06B SLU 1PG16G N	D.13
2560850000	HDC 06B SLU 2M20G N	D.13
2560860000	HDC 06B SLU 2M25G N	B.25
2560860000	HDC 06B SLU 2M25G N	B.49
2560860000	HDC 06B SLU 2M25G N	B.87
2560860000	HDC 06B SLU 2M25G N	D.13
2560870000	HDC 10B SBU 2PG16G N	D.15
2560880000	HDC 10B SBU 1M20G N	B.27
2560880000	HDC 10B SBU 1M20G N	B.51
2560880000	HDC 10B SBU 1M20G N	B.89
2560880000	HDC 10B SBU 1M20G N	B.101
2560880000	HDC 10B SBU 1M20G N	B.141
2560880000	HDC 10B SBU 1M20G N	D.15
2560890000	HDC 10B SBU 2M20G N	B.27
2560890000	HDC 10B SBU 2M20G N	B.51
2560890000	HDC 10B SBU 2M20G N	B.89
2560890000	HDC 10B SBU 2M20G N	B.101
2560890000	HDC 10B SBU 2M20G N	B.141
2560890000	HDC 10B SBU 2M20G N	D.15
2560900000	HDC 10B SBU 1M25G N	B.27
2560900000	HDC 10B SBU 1M25G N	B.51
2560900000	HDC 10B SBU 1M25G N	B.89
2560900000	HDC 10B SBU 1M25G N	B.101
2560900000	HDC 10B SBU 1M25G N	B.141
2560900000	HDC 10B SBU 1M25G N	D.15
2560910000	HDC 10B SBU 2M25G N	B.27
2560910000	HDC 10B SBU 2M25G N	B.51
2560910000	HDC 10B SBU 2M25G N	B.89
2560910000	HDC 10B SBU 2M25G N	B.101
2560910000	HDC 10B SBU 2M25G N	B.141
2560910000	HDC 10B SBU 2M25G N	D.15
2560930000	HDC 16B SBU 2M25G N	B.29
2560930000	HDC 16B SBU 2M25G N	B.53
2560930000	HDC 16B SBU 2M25G N	B.61
2560930000	HDC 16B SBU 2M25G N	B.75
2560930000	HDC 16B SBU 2M25G N	B.91
2560930000	HDC 16B SBU 2M25G N	B.103
2560930000	HDC 16B SBU 2M25G N	B.109
2560930000	HDC 16B SBU 2M25G N	B.143
2560930000	HDC 16B SBU 2M25G N	B.145
2560930000	HDC 16B SBU 2M25G N	B.147
2560930000	HDC 16B SBU 2M25G N	B.149
2560930000	HDC 16B SBU 2M25G N	B.151
2560930000	HDC 16B SBU 2M25G N	D.23
2560940000	HDC 16B SBU 1PG21G N	D.23
2560950000	HDC 16B SBU 2PG21G N	D.23
2560960000	HDC 24B SBU 1M25G N	D.29
2560970000	HDC 24B SBU 2M25G N	B.31
2560970000	HDC 24B SBU 2M25G N	B.55
2560970000	HDC 24B SBU 2M25G N	B.63
2560970000	HDC 24B SBU 2M25G N	B.79
2560970000	HDC 24B SBU 2M25G N	B.93
2560970000	HDC 24B SBU 2M25G N	B.105
2560970000	HDC 24B SBU 2M25G N	B.153
2560970000	HDC 24B SBU 2M25G N	B.155
2560970000	HDC 24B SBU 2M25G N	B.157
2560970000	HDC 24B SBU 2M25G N	D.29
2560990000	HDC 24D SBU 1M32G N	D.15
2561000000	HDC 24D SBU 2M32G N	D.15
2561020000	HDC 40D SBU 2M25G N	D.23
2561030000	HDC 40D SBU 1M32G N	B.29
2561030000	HDC 40D SBU 1M32G N	B.53
2561030000	HDC 40D SBU 1M32G N	B.61
2561030000	HDC 40D SBU 1M32G N	B.75
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2561030000	HDC 40D SBU 1M32G N	B.145
2561030000	HDC 40D SBU 1M32G N	B.147
2561030000	HDC 40D SBU 1M32G N	B.149
2561030000	HDC 40D SBU 1M32G N	B.151
2561030000	HDC 40D SBU 1M32G N	D.23
2561040000	HDC 40D SBU 2M32G N	D.23
2561050000	HDC 64D SBU 1M32G N	B.31
2561050000	HDC 64D SBU 1M32G N	B.55
2561050000	HDC 64D SBU 1M32G N	B.63
2561050000	HDC 64D SBU 1M32G N	B.79
2561050000	HDC 64D SBU 1M32G N	B.93
2561050000	HDC 64D SBU 1M32G N	B.105
2561050000	HDC 64D SBU 1M32G N	B.153
2561050000	HDC 64D SBU 1M32G N	B.155
2561050000	HDC 64D SBU 1M32G N	B.157
2561050000	HDC 64D SBU 1M32G N	D.29
2561060000	HDC 64D SBU 2M25G N	B.31
2561060000	HDC 64D SBU 2M25G N	B.55
2561060000	HDC 64D SBU 2M25G N	B.63
2561060000	HDC 64D SBU 2M25G N	B.79
2561060000	HDC 64D SBU 2M25G N	B.93
2561060000	HDC 64D SBU 2M25G N	B.105
2561060000	HDC 64D SBU 2M25G N	B.153
2561060000	HDC 64D SBU 2M25G N	B.155
2561060000	HDC 64D SBU 2M25G N	B.157
2561060000	HDC 64D SBU 2M25G N	D.29
2565880000	HDC MBUS4 M AWG26-24	C.52
2565890000	HDC MBUS4 F AWG26-24	C.52
2565900000	HDC MBUS4 M AWG22-20	C.52
2565910000	HDC MBUS4 F AWG22-20	C.52
2565920000	HDC MBUS4 M AWG18	C.52
2565930000	HDC MBUS4 F AWG18	C.52
2565940000	HDC MBUS8 M AWG26-24	C.53
2565950000	HDC MBUS8 F AWG26-24	C.53
2565960000	HDC MBUS8 M AWG22	C.53
2565970000	HDC MBUS8 F AWG22	C.53
2565980000	HDC MBUS8 M AWG20	C.53
2565990000	HDC MBUS8 F AWG20	C.53
2566000000	HDC MBUS CF 11.0	C.54
2566010000	HDC MBUS CF 10.3	C.54
2566020000	HDC MBUS CF 9.7	C.54
2566030000	HDC MBUS CF 9.1	C.54
2566040000	HDC MBUS CF 8.5	C.54
2566050000	HDC MBUS CF 7.9	C.54
2566060000	HDC MBUS CF 7.3	C.54
2566070000	HDC MBUS CFS 7.0	C.54
2566080000	HDC MBUS CFS 5.0	C.54
2568530000	HDC HP550 ABGH CR 1P	H.15
2568560000	HDC HP550 ABGR CR 1P PG36	H.15
2568600000	HDC HP550 STGH CR 1P	H.15
2568630000	HDC HP550 GHDE CR 1P PG36	H.15

2590000000

2592030000	HDC MRJ45 GC F	C.67
2592210000	HDC MRJ45 ABP MI	C.67
2592220000	HDC MRJ45 A MI	C.67
2592230000	HDC MRJ45 B MI	C.67
2592240000	HDC MRJ45 P MI	C.67
2592250000	HDC MRJ45 8PLUG MC	C.67
2592260000	HDC MRJ45 PCADP MC	C.67
2592260000	HDC MRJ45 PCADP MC	C.68
2592650000	HDC MBUS CT X/D 0.6/1.0	C.43
2592650000	HDC MBUS CT X/D 0.6/1.0	C.44
2592650000	HDC MBUS CT X/D 0.6/1.0	C.54
2592650000	HDC MBUS CT X/D 0.6/1.0	J.6
2592680000	HDC MBUS CL X/D 0.6/1.0	C.54
2592690000	HDC MBUS CT A 9.2-10.3	C.54
2592700000	HDC MBUS CI A 9.2-10.3	C.54
2592710000	HDC MBUS CT B 8.0-9.1	C.54
2592720000	HDC MBUS CI B 8.0-9.1	C.54
2592730000	HDC MBUS CT C 6.8-7.9	C.54
2592740000	HDC MBUS CI C 6.8-7.9	C.54
2599770000	HDC HP550 GHDE CR 1P M40	H.15
2599790000	HDC HP550 GHDE CR 1P M32	H.15
2599810000	HDC HP550 GHDE CR 1P M25	H.15
2599840000	HDC HP550 GHDE CR 1P M20	H.15
2599910000	HDC HP550 ABGR CR 1P M40	H.15
2599920000	HDC HP550 ABGR CR 1P M32	H.15
2599930000	HDC HP550 ABGR CR 1P M25	H.15
2599940000	HDC HP550 ABGR CR 1P M20	H.15

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2617240000	HDC MHP200 REMOVAL TOOL	C.12
2617240000	HDC MHP200 REMOVAL TOOL	J.7
2617240000	HDC MHP200 REMOVAL TOOL	J.42

2630000000

2634700050	HDC XX6A02 FFSXXXX-0050	C.62
2634700100	HDC XX6A02 FFSXXXX-0100	C.62
2634700150	HDC XX6A02 FFSXXXX-0150	C.62
2634700300	HDC XX6A02 FFSXXXX-0300	C.62
2634700500	HDC XX6A02 FFSXXXX-0500	C.62
2635980000	HDC MHE 4 MP	C.35
2635990000	HDC MHE 4 FP	C.35
2636060000	HDC MHE 4X FP	C.36
2636070000	HDC MHE 4X MP	C.36
2636080000	HDC MHE 4X2 FP	C.37
2636090000	HDC MHE 4X2 MP	C.37
2636180000	HDC MHE 5 MP	C.33
2636190000	HDC MHE 5 FP	C.33
2637080000	HDC 06B SLU 1M20G N	B.25
2637080000	HDC 06B SLU 1M20G N	B.49
2637080000	HDC 06B SLU 1M20G N	B.87
2637080000	HDC 06B SLU 1M20G N	D.13
2637320000	HDC MPN 2	C.69
2637340000	HDC MPN 3	C.70

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2637350000	HDC MPN 6.0 M	C.69
2637390000	HDC MPN 6.0 F	C.69
2637400000	HDC MPN 6.0 SOF	C.69
2637410000	HDC MPN 4.0 M	C.70
2637420000	HDC MPN 4.0 F	C.70
2637430000	HDC MPN 4.0 SOF	C.70
2637440000	HDC MPN 3.0 M	C.70
2637450000	HDC MPN 3.0 F	C.70
2637460000	HDC MPN 3.0 SOF	C.70
2637470000	HDC MPN 1.6 M	C.70
2637480000	HDC MPN 1.6 F	C.70
2637490000	HDC MPN 1.6 SOF	C.70

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2652760050	HDC XX5E01 FFSXXXX-0050	C.58
2652760100	HDC XX5E01 FFSXXXX-0100	C.58
2652760150	HDC XX5E01 FFSXXXX-0150	C.58
2652760300	HDC XX5E01 FFSXXXX-0300	C.58
2652760500	HDC XX5E01 FFSXXXX-0500	C.58
2659960050	HDC XX5E02 MMSXXXX-0050	C.61
2659960100	HDC XX5E02 MMSXXXX-0100	C.61
2659960150	HDC XX5E02 MMSXXXX-0150	C.61
2659960300	HDC XX5E02 MMSXXXX-0300	C.61
2659960500	HDC XX5E02 MMSXXXX-0500	C.61
2659970050	HDC XX6A01 MMSXXXX-0050	C.65
2659970100	HDC XX6A01 MMSXXXX-0100	C.65
2659970150	HDC XX6A01 MMSXXXX-0150	C.65
2659970300	HDC XX6A01 MMSXXXX-0300	C.65
2659970500	HDC XX6A01 MMSXXXX-0500	C.65

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2661950020	HDC RJ4501 MMSCAT6-0020	C.68
2661950030	HDC RJ4501 MMSCAT6-0030	C.68
2661950040	HDC RJ4501 MMSCAT6-0040	C.68
2661950050	HDC RJ4501 MMSCAT6-0050	C.68
2661950060	HDC RJ4501 MMSCAT6-0060	C.68
2661950070	HDC RJ4501 MMSCAT6-0070	C.68
2661950080	HDC RJ4501 MMSCAT6-0080	C.68
2661950090	HDC RJ4501 MMSCAT6-0090	C.68
2661950100	HDC RJ4501 MMSCAT6-0100	C.68
2661950150	HDC RJ4501 MMSCAT6-0150	C.68
2661950200	HDC RJ4501 MMSCAT6-0200	C.68
2661950250	HDC RJ4501 MMSCAT6-0250	C.68
2661950300	HDC RJ4501 MMSCAT6-0300	C.68
2661950400	HDC RJ4501 MMSCAT6-0400	C.68
2661950500	HDC RJ4501 MMSCAT6-0500	C.68
2661950600	HDC RJ4501 MMSCAT6-0600	C.68
2661950700	HDC RJ4501 MMSCAT6-0700	C.68
2661950750	HDC RJ4501 MMSCAT6-0750	C.68
2661950800	HDC RJ4501 MMSCAT6-0800	C.68
2661950900	HDC RJ4501 MMSCAT6-0900	C.68
2661951000	HDC RJ4501 MMSCAT6-1000	C.68
2661951500	HDC RJ4501 MMSCAT6-1500	C.68
2661952000	HDC RJ4501 MMSCAT6-2000	C.68
2666910000	HDC HE 06 N MQT	B.24
2666920000	HDC HE 06 N FQT	B.24
2666930000	HDC HE 10 N FQT	B.26
2666940000	HDC HE 10 N MQT	B.26
2666950000	HDC HE 16 N FQT	B.28
2666950000	HDC HE 16 N FQT	B.32
2666960000	HDC HE 16 N FQT 17~32	B.32
2666970000	HDC HE 16 N MQT	B.28
2666970000	HDC HE 16 N MQT	B.32
2666980000	HDC HE 16 N MQT 17~32	B.32
2666990000	HDC HE 24 N FQT	B.30
2666990000	HDC HE 24 N FQT	B.34
2667000000	HDC HE 24 N FQT 25~48	B.34
2667010000	HDC HE 24 N MQT	B.30
2667010000	HDC HE 24 N MQT	B.34
2667020000	HDC HE 24 N MQT 25~48	B.34
2668180000	HDC MHP 70 FC	C.18
2668180000	HDC MHP 70 FC	J.9
2668190000	HDC MHP 70 MC	C.18
2668190000	HDC MHP 70 MC	J.9
2668200000	HDC MHP70 F 10	C.18
2668200000	HDC MHP70 F 10	J.7
2668200000	HDC MHP70 F 10	J.9
2668210000	HDC MHP70 F 6	C.18
2668210000	HDC MHP70 F 6	J.7
2668210000	HDC MHP70 F 6	J.9
2668220000	HDC MHP70 F 16	C.18
2668220000	HDC MHP70 F 16	J.7
2668220000	HDC MHP70 F 16	J.9
2668260000	HDC MHP70 F 25	C.18
2668260000	HDC MHP70 F 25	J.7
2668260000	HDC MHP70 F 25	J.9
2668280000	HDC MHP70 M 6	C.18
2668280000	HDC MHP70 M 6	J.7
2668280000	HDC MHP70 M 6	J.9
2668350000	HDC MHP70 M 10	C.18
2668350000	HDC MHP70 M 10	J.7
2668350000	HDC MHP70 M 10	J.9
2668360000	HDC MHP70 M 16	C.18
2668360000	HDC MHP70 M 16	J.7
2668360000	HDC MHP70 M 16	J.9
2668370000	HDC MHP70 M 25	C.18
2668370000	HDC MHP70 M 25	J.7
2668370000	HDC MHP70 M 25	J.9

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2691190000	HDC MHP70 M 6 P	C.18
2691190000	HDC MHP70 M 6 P	J.7
2691190000	HDC MHP70 M 6 P	J.9
2691240000	HDC MHP70 M 10 P	C.18
2691240000	HDC MHP70 M 10 P	J.7
2691240000	HDC MHP70 M 10 P	J.9
2691250000	HDC MHP70 M 16 P	C.18
2691250000	HDC MHP70 M 16 P	J.7
2691250000	HDC MHP70 M 16 P	J.9
2691260000	HDC MHP70 M 25 P	C.18
2691260000	HDC MHP70 M 25 P	J.7
2691260000	HDC MHP70 M 25 P	J.9

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2708490000	HDC MDF 06B	J.23
2708500000	HDC MDF 10B	J.23
2708510000	HDC MDF 16B	J.23
2708520000	HDC MDF 24B	J.23
2709710000	HDC MXCC2 4X	C.36
2709710000	HDC MXCC2 4X	C.37
2709720000	HDC MXCC3 4X	C.36
2709720000	HDC MXCC3 4X	C.37
2709730000	HDC MXCC4 4X	C.36
2709730000	HDC MXCC4 4X	C.37
2709740000	HDC MXCC5 4X	C.36
2709740000	HDC MXCC5 4X	C.37
2709750000	HDC MXCC6 4X	C.36
2709750000	HDC MXCC6 4X	C.37
2709770000	HDC MXCC7 4X	C.36
2709770000	HDC MXCC7 4X	C.37
2709780000	HDC MXCC8 4X	C.36
2709780000	HDC MXCC8 4X	C.37
2709790000	HDC MXCC9 4X	C.36
2709790000	HDC MXCC9 4X	C.37
2709800000	HDC MXCC10 4X	C.36
2709800000	HDC MXCC10 4X	C.37
2709810000	HDC MXCC11 4X	C.36
2709810000	HDC MXCC11 4X	C.37
2709820000	HDC MXCC12 4X	C.36
2709820000	HDC MXCC12 4X	C.37

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2710590000	HDC MMARK 4	C.36
2710590000	HDC MMARK 4	C.37
2712571000	HDC XX5E01 00XXXDM-1000	C.56
2712581000	HDC XX5E02 00XXXDM-1000	C.56
2712671000	HDC XX6A01 00XXXDM-1000	C.57
2712681000	HDC XX6A02 00XXXDM-1000	C.57
2716700000	HDC 06B TOS 1M25 WMP	G.4
2716720000	HDC 10B TOS 1M32 WMP	G.5
2716730000	HDC 16B TOS 1M40 WMP	G.6
2716740000	HDC 24B TOS 1M40 WMP	G.7
2716750000	HDC 06B TSS 1M25 WMP	G.4
2716760000	HDC 10B TSS 1M32 WMP	G.5
2716770000	HDC 16B TSS 1M40 WMP	G.6
2716780000	HDC 24B TSS 1M40 WMP	G.7
2716790000	HDC AF WM	G.4
2716790000	HDC AF WM	G.5
2716790000	HDC AF WM	G.6
2716790000	HDC AF WM	G.7
2716800000	HDC AF SET WM	G.4
2716800000	HDC AF SET WM	G.5
2716800000	HDC AF SET WM	G.6
2716800000	HDC AF SET WM	G.7
2716810000	HDC 06B AF WM COVER	G.4
2716820000	HDC 10B AF WM COVER	G.5
2716830000	HDC 16B AF WM COVER	G.6
2716840000	HDC 24B AF WM COVER	G.7

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2722250000	VG M20 EXI 7-13 CR7J G4	B.39
2722270000	VG M25 EXI 12-17 CR7J G4	B.41
2722270000	VG M25 EXI 12-17 CR7J G4	B.43
2722270000	VG M25 EXI 12-17 CR7J G4	B.45
2729580000	HDC HEEE 64 MC	B.62
2729590000	HDC HEEE 64 FC	B.62

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2736890000	HDC MFGS 6B AB	C.8
2736900000	HDC MFGS 6B BA	C.8
2736910000	HDC MFGS 10B AC	C.9
2736920000	HDC MFGS 10B CA	C.9
2736930000	HDC MFGS 16B AD	C.10
2736940000	HDC MFGS 16B DA	C.10
2736950000	HDC MFGS 24B AF	C.11
2736960000	HDC MFGS 24B FA	C.11
2736970000	HDC MFGL 6B AB	C.8
2736980000	HDC MFGL 6B BA	C.8
2736990000	HDC MFGL 10B AC	C.9
2737000000	HDC MFGL 10B CA	C.9
2737010000	HDC MFGL 16B AD	C.10
2737020000	HDC MFGL 16B DA	C.10
2737030000	HDC MFGL 24B AF	C.11
2737040000	HDC MFGL 24B FA	C.11

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2748240000	HDC MHP 200 MAS	C.13
2748250000	HDC MHP 200 FAS	C.13
2748260000	HDC MHP 200 PE MAS	C.14
2748270000	HDC MHP 200 PE FAS	C.14
2748280000	HDC MHP 100 MAS	C.16
2748290000	HDC MHP 100 FAS	C.16
2748300000	HDC MHP 70 MAS	C.19
2748310000	HDC MHP 70 FAS	C.19
2748320000	HDC MHX 2 MAS	C.21
2748330000	HDC MHX 2 FAS	C.21
2748340000	HDC MHX 2 MC	C.20
2748350000	HDC MHX 2 FC	C.20
2748360000	HDC MHX 3/4 MC	C.26
2748370000	HDC MHX 3/4 FC	C.26
2748380000	HDC MHE 2 HV MC	C.17
2748390000	HDC MHE 2 HV FC	C.17
2748400000	HDC MHE 5L MP	C.34
2748410000	HDC MHE 5L FP	C.34
2748420000	HDC MHE 6 MP	C.32
2748430000	HDC MHE 6 FP	C.32
2748440000	HDC MHE 8 MP	C.30
2748450000	HDC MHE 8 FP	C.30
2748460000	HDC MHD 12 MP	C.42
2748470000	HDC MHD 12 FP	C.42
2748480000	HDC MHD 17 MC	C.40
2748490000	HDC MHD 17 FC	C.40
2748500000	HDC MHS 25 MC	C.43
2748510000	HDC MHS 25 FC	C.43
2748520000	HDC MGBIT 8 MC	C.44
2748530000	HDC MGBIT 8 FC	C.44
2748540000	HDC MCOAX 4 MC	C.48
2748550000	HDC MCOAX 4 FC	C.48
2748560000	HDC MEMC 2 MC	C.46
2748570000	HDC MEMC 2 FC	C.46
2748580000	HDC MBUS HD 4 F	C.47
2748590000	HDC MBUS HD 4 M	C.47
2748600000	HDC MBUS HE 1 F	C.47
2748610000	HDC MBUS HE 1 M	C.47
2748620000	HDC MBUS HD 1 F	C.47
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