

RockStar® ConCept modular system

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Introduction D.2

ConCept modules D.4

1 - 10 poles

ConCept bus modules D.12

2 - 16 poles

ConCept ST D.20

2 - 10 poles

ConCept pneumatic modules D.23

1 - 2 poles

ConCept module frame D.24

Size 3 - 8

ModuFlex C D.44

Coupling frame 1 - 5 modules

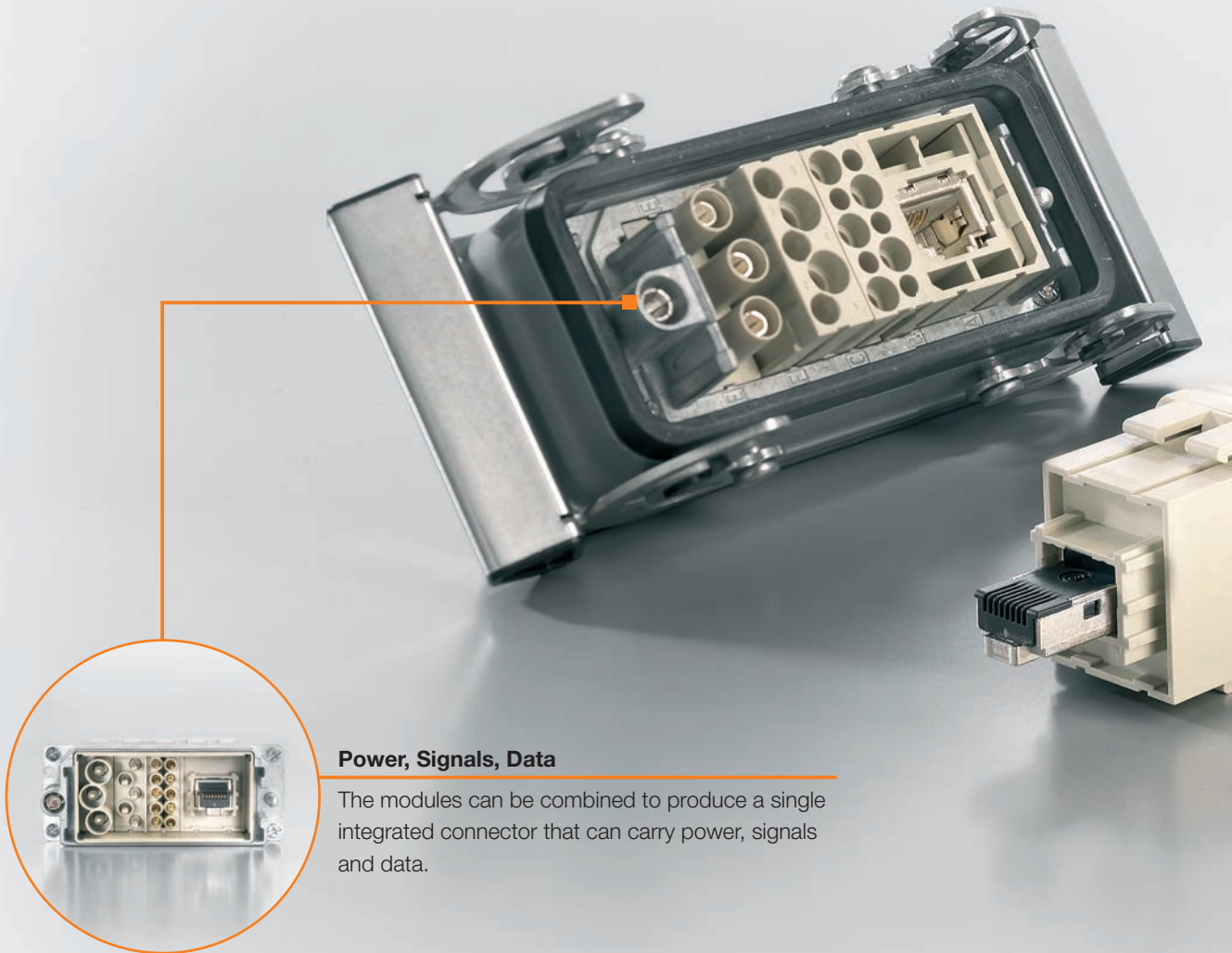
D

RockStar® ConCept modular system

ConCept is a modular system consisting of modules for electrical, optical and pneumatic connections as well as module frames in various sizes. Together, the modules and frames form a full connector insert. The key advantage with ConCept is that you can combine multiple functions together. You can create a connector according to your requirements; this saves space and money compared to the use of multiple fixed-pole inserts.

D

ConCept is simple to work with and can easily be integrated into an HDC housing in IP66 or IP68. The ConCept modules can also be used individually in ModuFlex-C coupling frames and snapped together to form a block which can then be used in IP20 environments. ConCept can in this way be used on DIN rails, in cable conduits or on flat surfaces.



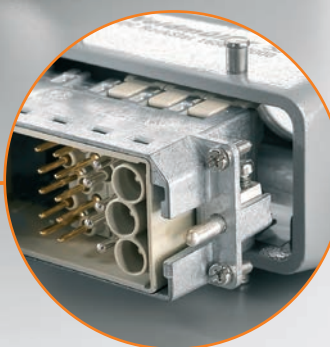
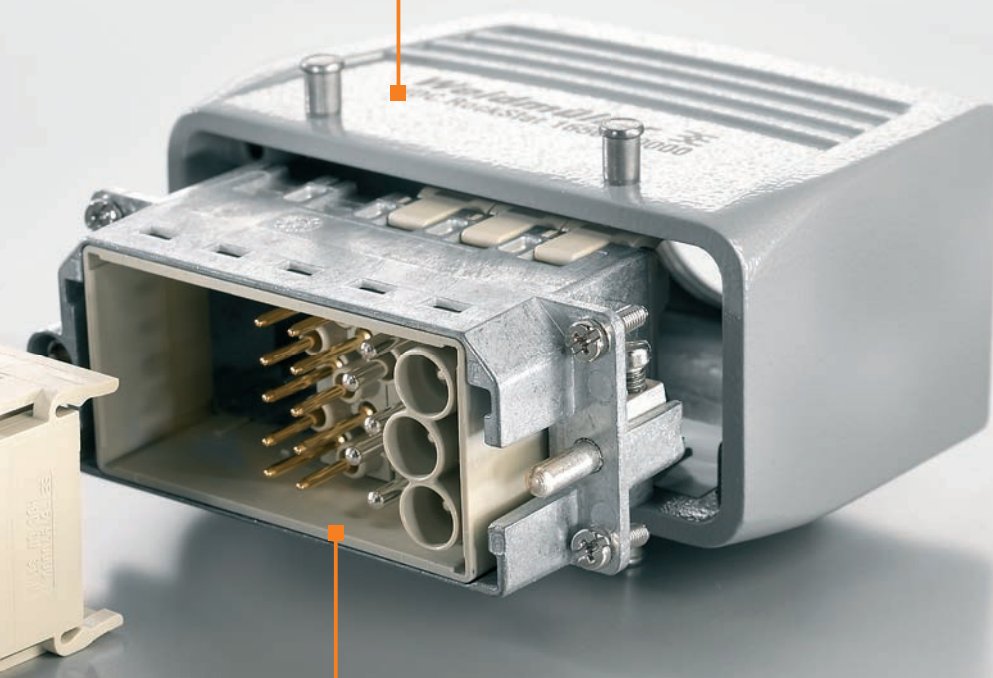
Power, Signals, Data

The modules can be combined to produce a single integrated connector that can carry power, signals and data.



Flexible

Because of its unique platform design, the ConCept ST module be fitted with up to eight different data inserts.



Sturdy

The optimal protection for the modules is provided by the solid module frame which is made of plastic or die-cast zinc.

ConCept modules

CM-3 Concept module / turned contacts

Technical data

Contact inserts

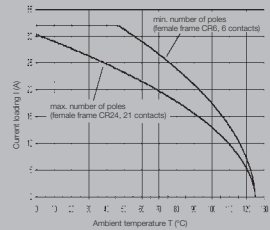
Rated current (DIN EN 61984)	40 A
Rated voltage (DIN EN 61984)	690 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Insulation resistance	10 ¹² Ω
Surge voltage category	III
Volume resistance	≤ 1 mΩ
Flammability class UL 94	V-0

Contacts

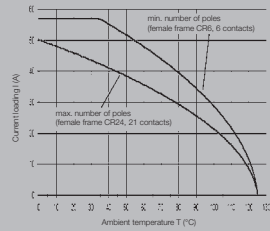
Contact diameter, male Ø	3.6 mm
Connection cross-section	1.5-10 mm²
AWG conductor	AWG 16-AWG 7
Material	Polycarbonate, glass fibre reinforced

Note

Rated voltage 1000 V / 8 kV at pollution degree 2. For conductor cross-sections of 6 mm² to 10 mm², you must use ring cable lugs at the connection to the PE conductor. With the 690-V rated voltage, this also covers three-phase 4-wire or 3-wire AC-voltage systems with rated voltages up to 690 V – according to DIN EN 60664-1. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!



ConCept module CM-3
Conductor H07V-K 4.0 mm²



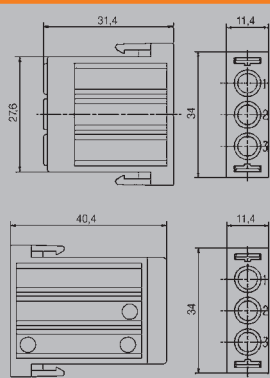
ConCept module CM-3
Conductor H07V-K 10.0 mm²

Modules

Crimp connection



Type	Type	Order No.
Male	HDC CM 3 MC	1758360000
Female	HDC CM 3 FC	1758370000



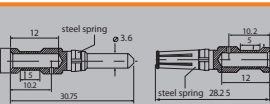
Accessories

Crimp contacts

Surface finish silver



Male			Female		
Qty.	Type	Order No.	Type	Order No.	
100	HDC-C-M3-SM1.5AG	1698120000	HDC-C-M3-BM1.5AG	1698130000	
100	HDC-C-M3-SM2.5AG	1698140000	HDC-C-M3-BM2.5AG	1698150000	
100	HDC-C-M3-SM4.0AG	1682260000	HDC-C-M3-BM4.0AG	1682270000	
100	HDC-C-M3-SM6.0AG	1682280000	HDC-C-M3-BM6.0AG	1682290000	
100	HDC-C-M3-SM10.0AG	1682300000	HDC-C-M3-BM10.0AG	1682310000	



Conductor cross-section	Insulation stripping length
1.50 mm²	AWG 16 10 mm
2.50 mm²	AWG 14 10 mm
4.00 mm²	AWG 12 10 mm
6.00 mm²	AWG 10 10 mm
10.00 mm²	AWG 7 10 mm

Tools



Crimping tool	
CTX CM 3.6	9018480000
Contact Removal Tool	
Removal Tool CM 3	1866710000

CM-HE Concept module / turned contacts

Technical data

Contact inserts

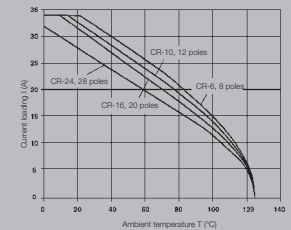
Rated current (DIN EN 61984)	25 A
Rated voltage (DIN EN 61984)	630 V
Rated impulse voltage (DIN EN 61984)	8 kV
Pollution severity	3
Insulation resistance	$10^{12} \Omega$
Surge voltage category	III
Volume resistance	$\leq 2m\Omega$
Flammability class UL 94	V-0

Contacts

Contact diameter, male Ø	2.5 mm
Connection cross-section	0.5-4 mm²
AWG conductor	AWG 20-AWG 12
Material	Polycarbonate, glass fibre reinforced

Note

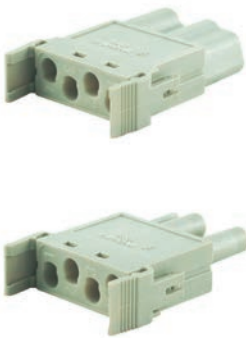
Rated voltage 1000 V / 8 kV at pollution degree 2. For conductor cross-sections $\leq 0.75 \text{ mm}^2$, you must use wire-end ferrules at the connection to the PE conductor. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!



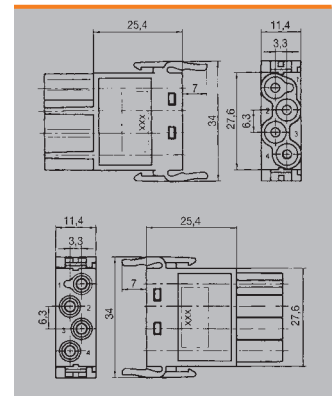
ConConcept module CM-HE
Conductor H07V-K 4.0 mm²

Modules

Crimp connection



Type	Type	Order No.
Male	HDC CM HE 4 MC	1861920000
Female	HDC CM HE 4 FC	1861900000



Accessories

Crimp contacts

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-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



Crimping tool	
CTX CM 1.6/2.5	9018490000
Contact Removal Tool	
Removal Tool HE	1866750000

ConCept modules

CM-4 Concept module with tension spring connection

Technical data

Contact inserts

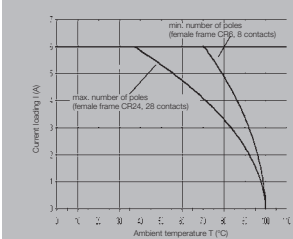
Rated current (DIN EN 61984)	14 A
Rated voltage (DIN EN 61984)	400 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Insulation resistance	$10^{12} \Omega$
Surge voltage category	III
Volume resistance	1.5 m Ω
Flammability class UL 94	V-0

Contacts

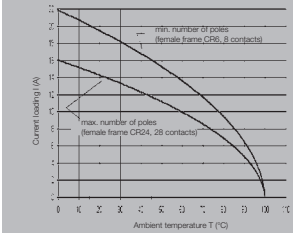
Contact diameter, male $\varnothing$	2.5 mm
Connection cross-section	0.5-2.5 mm ²
AWG conductor	AWG 20-AWG 14
Material	Polycarbonate, glass fibre reinforced

Note

For conductor cross-sections $\leq 0.75 \text{ mm}^2$, you must use wire-end ferrules at the connection to the PE conductor.
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!



ConCept module CM-4BZF/4SZF
Conductor H05V-K 0.5 mm²



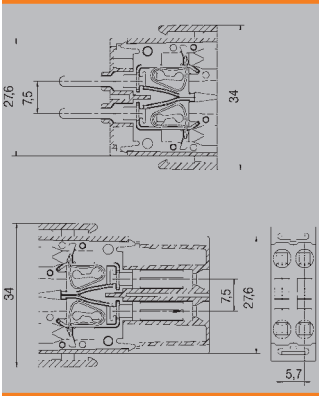
ConCept module CM-4BZF/4SZF
Conductor H07V-K 2.5 mm²

Modules

Tension clamp connection



Type	Type	Order No.
Male	HDC-CM-4SZF AG	1730120000
Female	HDC-CM-4BZF AG	1730130000



CM-5 Concept module / turned contacts

Technical data

Contact inserts

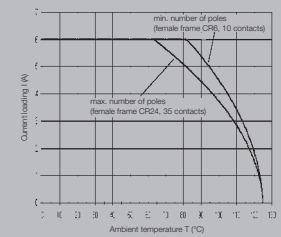
Rated current (DIN EN 61984)	20 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Insulation resistance	$10^{12} \Omega$
Surge voltage category	III
Volume resistance	$\leq 2m\Omega$
Flammability class UL 94	V-0

Contacts

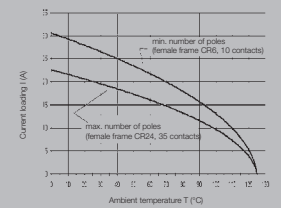
Contact diameter, male Ø	2.5 mm
Connection cross-section	0.5-4 mm ²
AWG conductor	AWG 20-AWG 12
Material	Polycarbonate, glass fibre reinforced

Note

Rated voltage 500 V / 6 kV at pollution degree 2. For conductor cross-sections $\leq 0.75 \text{ mm}^2$, you must use wire-end ferrules at the connection to the PE conductor. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!



ConCept module CM-5
Conductor H05V-K 0.5 mm²



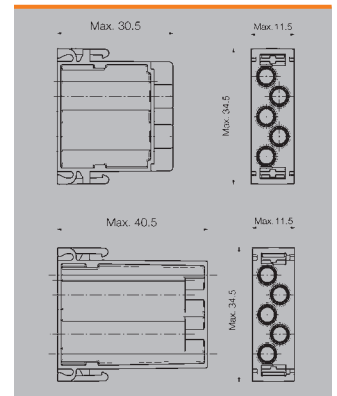
ConCept module CM-5
Conductor H07V-K 4.0 mm²

Modules

Crimp connection



Type	Type	Order No.
Male	HDC CM 5 MC	1758380000
Female	HDC CM 5 FC	1758390000



Accessories

Crimp contacts

Surface finish silver



Male			Female		
Qty.	Type	Order No.	Type	Order No.	
100	HDC-C-M5-SM0.5AG	1682320000	HDC-C-M5-BM0.5AG	1682330000	
100	HDC-C-M5-SM0.75-1.0AG	1682340000	HDC-C-M5-BM0.75-1.0AG	1682350000	
100	HDC-C-M5-SM1.5AG	1682360000	HDC-C-M5-BM1.5AG	1682370000	
100	HDC-C-M5-SM2.5AG	1682380000	HDC-C-M5-BM2.5AG	1682390000	
100	HDC-C-M5-SM4.0AG	1682400000	HDC-C-M5-BM4.0AG	1682410000	

Conductor cross-section	Insulation stripping length
0.75 - 1.00 mm ²	AWG 18 7 mm
1.50 mm ²	AWG 16 7 mm
2.50 mm ²	AWG 14 7 mm
4.00 mm ²	AWG 12 7 mm

Tools



Crimping tool	
CTX CM 1.6/2.5	9018490000
Contact Removal Tool	
Removal Tool CM 5	1866720000

ConCept modules

CM-10 Concept module / turned contacts

Technical data

Contact inserts

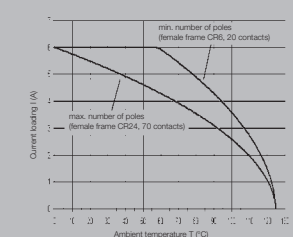
Rated current (DIN EN 61984)	10 A
Rated voltage (DIN EN 61984)	250 V
Rated impulse voltage (DIN EN 61984)	4 kV
Pollution severity	3
Insulation resistance	10 ¹¹ Ω
Surge voltage category	III
Volume resistance	≤ 4mΩ
Flammability class UL 94	V-0

Contacts

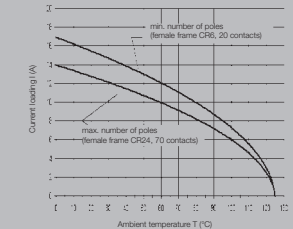
Contact diameter, male Ø	1.6 mm
Connection cross-section	0.14-2.5 mm²
AWG conductor	AWG 26-AWG 14
Material	Polycarbonate, glass fibre reinforced

Note

Rated voltage 320 V / 4 kV at pollution degree 2. For conductor cross-sections ≤ 0.75 mm², you must use wire-end ferrules at the connection to the PE conductor. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!



ConCept module CM-10
Conductor H05V-K 0.5 mm²



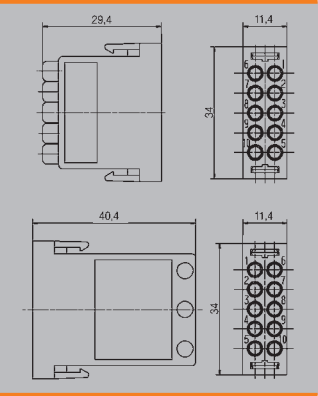
ConCept module CM-10
Conductor H07V-K 2.5 mm²

Modules

Crimp connection



Type	Type	Order No.
Male	HDC CM 10 MC	1758400000
Female	HDC CM 10 FC	1758410000



Accessories

Crimp contacts

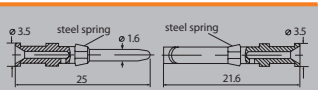
Surface finish gold



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



Crimping tool	
CTX CM 1.6/2.5	9018490000
Contact Removal Tool	
REMOVAL TOOL HD	1866730000

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Contact inserts

HDC-CM-HV-3BCM/SCM / H07V-K1.5

Current loading I [A]

min. number of poles (6 pole)

max. number of poles (21 pole)

Conductor current to EN 60947-7-1

Ambient temperature T [°C]

Ambient temperature T [°C]	Current loading I [A] (6 pole)	Current loading I [A] (21 pole)
0	24	22
25	21	19
50	18	16
75	15	13
100	12	10
125	8	6
130	0	0

Contacts

HDC-CM-HV-3BCM/SCM / H07V-K10

Current loading I [A]

Ambient temperature T [°C]

Conductor is in accordance to EN 60947-7-1

min. number of poles (6 pole)

max. number of poles (21 pole)

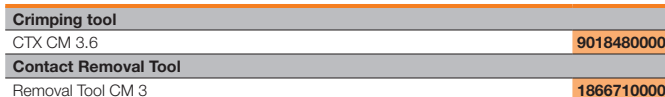
For conductor cross-sections of 6 mm² to 10 mm², you must use ring cable lugs at the connection to the PE conductor. When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

Crimp connection



Crimp contacts

Tools



ConCept modules

CM High current module

Technical data

Contact inserts

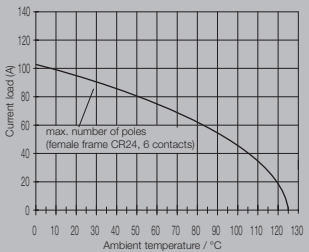
Rated current (DIN EN 61984)	82 A
Rated voltage (DIN EN 61984)	1000 V
Rated impulse voltage (DIN EN 61984)	6 kV
Pollution severity	3
Insulation resistance	$10^{12} \Omega$
Surge voltage category	III
Volume resistance	$\leq 1 \text{ m}\Omega$
Flammability class UL 94	V-0

Contacts

Contact diameter, male $\varnothing$	6 mm
Tightening torque	1.2
Connection cross-section	10-25 mm ²
AWG conductor	AWG 8-AWG 4
Material	Polyamide, glass fibre-reinforced

Note

The modules have a double-module design and occupy two places in the ConCept module frame. Only use the modules with wire-end ferrules! When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

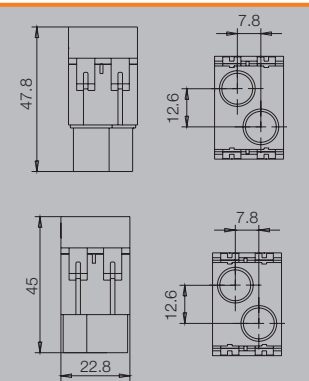


Modules

Screw connection



Type	Type	Order No.
Male	HDC CM 1 MS + PE	1828390000
Female	HDC CM 1 FS + PE	1828410000

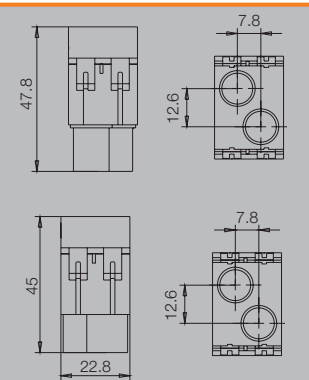


Modules

Screw connection



Type	Type	Order No.
Male	HDC CM 2 MS	1828380000
Female	HDC CM 2 FS	1828400000



Note

ConCept bus module for screened wires

Concept bus is ideal for transmitting highly sensitive signals in heavy-duty connectors.

Modules of the ConCept heavy-duty connector system offer many functions in a very small space with reliable protection from electromagnetic fields, moisture, dust and extreme mechanical loads.

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By combining these with other modules, the power supply and other signals for the field device can be connected in a single plug-in connector.

The **Profibus-DP** module with **T-Connector function** enables uninterrupted operation of the fieldbus during servicing or when replacing a field device. The fieldbus system no longer has to be switched off, as was the case in the past, because the field device can simply be connected or disconnected during operation using the heavy-duty connector – “plug and play” is now available for the first time for fieldbus solutions. The same heavy-duty connector also provides a reliable power supply for the connected fieldbus device.

On one side, Weidmüller uses the robust USB plug as connection system for the Profibus DP modules. This guarantees a high transmission rate of 12 Mbit/s and at least 200 plugging cycles. On the other side, screw terminals are used to connect the screened Profibus cables.

Advantages

- Simple screw connection
- Simple screen connection



Versions

- Bus connector
HDC CM BUS 4 ...
for screened wires
(for connecting 4 wires and screen)



- Bus connector with integrated T-exit
HDC CM BUS 2 ... PDP
for screened wires
(Profibus-DP solution = 2 wires and screen)



Technical data

Material data	HDC CM BUS 4 ...	HDC CM BUS 2 ... PDP
Insulation	Glass fibre reinforced PC	
Colour	Grey (similar to RAL 7032)	
Temperature range	-20 °C to +85 °C	

System characteristics		
Connection technology	Screw connection	
No. of poles	4 + screen	2 + screen
Conductor capacity	0.08 ... 1.5 mm AWG 28 ... 16	As Profibus DP
Stripping length 5 mm		
Clamping capacity (outer diameter of cable screen)	2.1 ... 7 mm	
Stripped sheath length 19 mm		

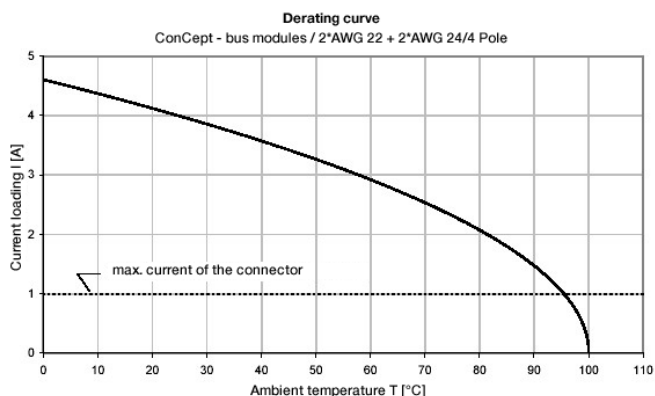
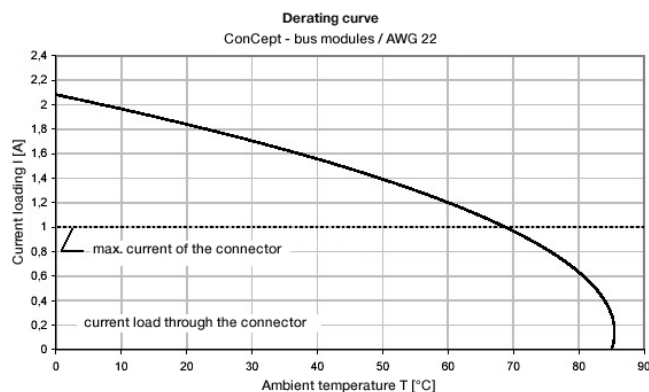
Rated data to VDE 0627	
Rated current	1 A
Rated voltage	32 V
Rated impulse withstand voltage	0.8 kV
Degree of pollution	3
Transmission rate	max. 12 Mbit/s

Clamping torques	
Screen clip	0.5 – 0.6 Nm
PCB terminal	0.2 – 0.3 Nm

Assembly instructions	
• Use wire end ferrules • Clamp screen braid under clip • Use specified torque settings • Place module at the far end of the frame with the connection side to the outside • Only use high housing types	

Note: Also take note of the assembly instructions enclosed with the product.

Derating curves



ConCept bus modules

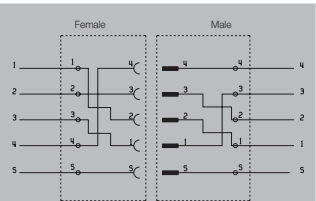
Bus connectors

4 poles

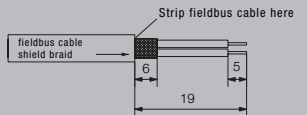
Technical data

Contact inserts

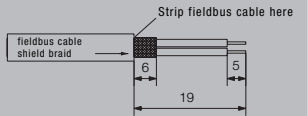
Rated current	1 A
Rated voltage	30 V
Qty.	5



Male module



Female module



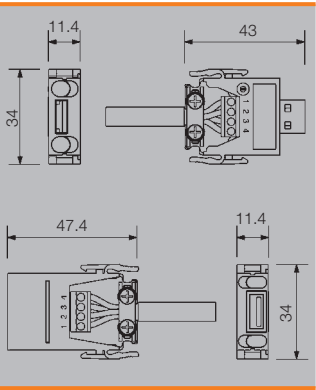
Note

Modules

Female module



Insert	Designation	Order No.
Male	HDC CM BUS 4SS	1814310000
Female	HDC CM BUS 4BS	1814300000

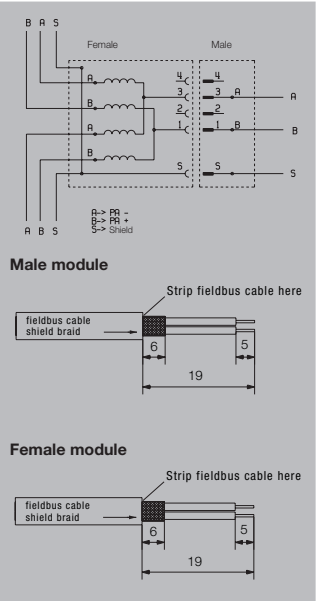


Bus connector with integrated T-exit

2 poles

Technical data

Contact inserts	
Rated current	1 A
Rated voltage	30 V
Qty.	5

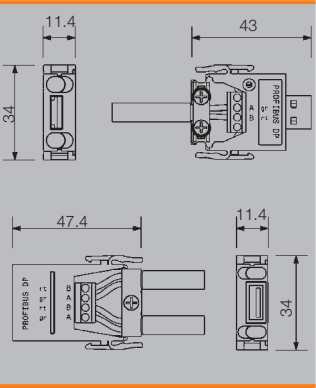


Note
The Profibus topology is the line structure. The branches (T-pieces) connect the individual field devices or remote I/Os to the bus cable. The length of the spur depends on the transmission rate and should be as short as possible. IEC 61158 specifies that with a transmission rate of 1.5 Mbit/s per segment, spur lengths of up to 6.6 m are permitted. Source: Profibus Directive, Order No. 2.111 Version 1.0

Modules



Insert	Designation	Order No.
Male	HDC CM BUS 2SS PDP A	1806060000
Female	HDC CM BUS 2BS T PDP C	1806030000



ConCept bus modules

ConCept system bus

Shielded module

Technical data

Contact inserts

Standards	DIN EN 61984 IEC 60664
Approvals	UL/CSA
No. contacts	2...16 poles for signal transmission
Conductor connection system	Crimp
Rated current	10 A (HD) / 25 A (HE)
Rated voltage/Rated impulse withstand voltage	50 V/0.8 kV (HD) / 160V/3kV (HE)
Degree of pollution	3 (100 V/1.5 kV/2 (HD) / 250 V/3 kV/2 (HE))
Shield	Shield connected to contact carrier using cable clamp
Outside diameter of shielded cable	3 to 6 mm and/or 6 to 9.5 mm
Conductor clamping ranges	0.14 mm ² ... 4.62 mm ² AWG 26 ... AWG 11
Stripping lengths	8 mm (HD/HE) / 4 mm (SUB-D)
Volume resistance	< 4 mΩ (HD) / < 2 mΩ (HE)
Contacts (crimp)	HD / HE / SUB-D
Contact material	Copper alloy
Surface	
Crimp contact	Passivated silver or gold-plated
Contact carrier	Zinc alloy
Temperature range	-40 °C ... +70 °C
Material – module	Glass-fibre reinforced PC (in UL list and approved for railway applications)
Flammability to UL 94	V-0
Frame material	Die cast zinc
Surface of frame	CuNi
Frame earthing (ground)	Leading earthing contact; double-sided PE connection

Note

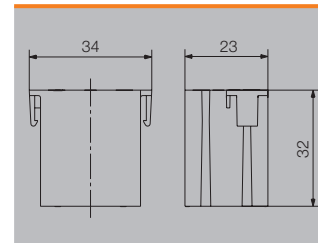
The modules have a double-module design and occupy two places in the ConCept module frame.
When used properly and as designated, the listed connectors may not be connected or disconnected if there is a live voltage or load!

Modules

Female receptacle module



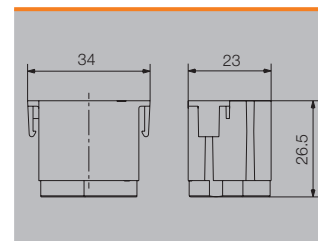
Designation	Type	Order No.
HDC CM BUS SV F2	Female module	1983720000



Male receptacle module



Designation	Type	Order No.
HDC CM BUS SV M2	Male module	1983750000

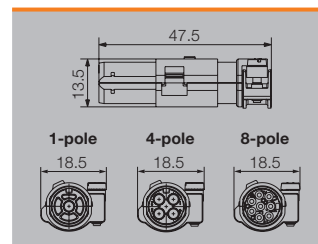


Female contact carrier



Designation	Type	Type of contact	Order No.
HDC CM BUS SV F1 CT	1-pole	Females contact carrier HD	1983800000
HDC CM BUS SV F4 CT	4-pole	Females contact carrier HD	1983770000
HDC CM BUS SV F8 CT	8-pole	Females contact carrier SUB-D	1043120000
HDC CM BUS HE F1 CT	1-pole	Females contact carrier HE	1116090000

Note: Additional crimp contacts on D.18

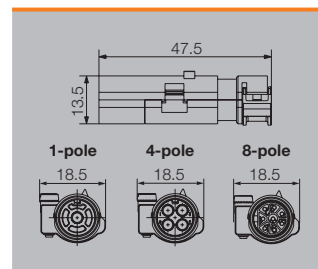


Male contact carrier



Designation	Type	Type of contact	Order No.
HDC CM BUS SV M1 CT	1-pole	Male contact carrier HD	1983810000
HDC CM BUS SV M4 CT	4-pole	Male contact carrier HD	1983790000
HDC CM BUS SV M8 CT	8-pole	Male contact carrier SUB-D	1043130000
HDC CM BUS HE M1 CT	1-pole	Male contact carrier HE	1116100000

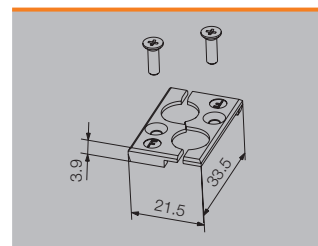
Note: Additional crimp contacts on D.18



Earthing connection adapter plate



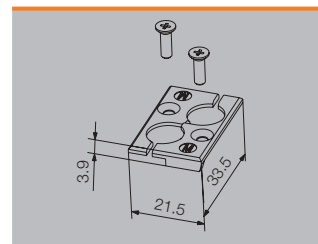
Designation	Type	Order No.
HDC CM BUS SV GCA F	Earthing connection adapter plate	1983820000



Earthing connection adapter plate



Designation	Type	Order No.
HDC CM BUS SV GCA M	Earthing connection adapter plate	1014080000



Accessories

HD crimp contacts

Surface Gold



Surface Silver



Qty.	Male	Order No.	Female	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-SM0.75-1AU	1651640000	HDC-C-HD-BM0.75-1AU	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-BM0.75-1AG	1601760000
100	HDC-C-HD-SM0.75-1AG	1601750000	HDC-C-HD-BM0.5AG	1651580000
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 mm ²	AWG 26-22 8 mm
0.50 mm ²	AWG 20 8 mm
0.75 – 1.00 mm ²	AWG 18 8 mm
1.50 mm ²	AWG 16 8 mm
2.50 mm ²	AWG 14 6 mm

Tools



Crimping tool	Order No.
CTX CM 1.6/2.5	9018490000
Contact release tool	
Removal Tool HD	1866730000

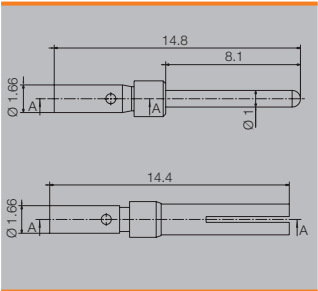
ConCept bus modules

Accessories

SUB-D crimp contacts



Qty.	Male	Order No.	Female	Order No.
100	HDC-C-CM-BUS-S0.33-0.52	1027260000	HDC-C-CM-BUS-B0.33-0.52	1027270000



D

HE crimp contacts

Surface Gold



Surface Silver



Qty.	Male	Order No.	Female	Order No.
100	HDC-C-HE-SM0.5AU	1651420000	HDC-C-HE-BM0.5AU	1651470000
100	HDC-C-HE-SM0.75-1AU	1651430000	HDC-C-HE-BM0.75-1AU	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-SM0.75-1AG	1200600000	HDC-C-HE-BM0.75-1AG	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



Crimping tool	Order No.
CTX CM 1.6/2.5	9018490000
Contact release tool	
Removal Tool HE	1866750000

ConCept ST

ConCept ST

The new RockStar® ConCept ST data module with **STEADYTEC®** technology is a new versatile Gigabit Ethernet module for use with the modular connector system ConCept.

- Gigabit Ethernet (Cat.6A 10GBit System Class EA): fast RJ45 data insert suitable for field assembly.
- Your choice for excellent flexibility: the platform concept allows the use of RJ45, SC/LC and hybrid inserts.
- Optimised handling and easy implementation through integrated module release levers.
- Can be combined with all available ConCept modules and module frames.



Technical data

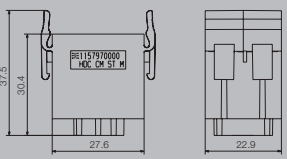
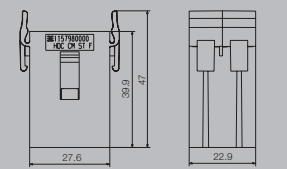
Standards	IEC 60664 DIN EN 61984
Approvals	GL, further approvals are pending
Number of poles	8-pole (RJ45) / 2-pole SC (single-mode/multi-mode/POF)/LC (single-mode/multi-mode) / 10-pole hybrid
Rated voltage (RJ45)	50 V
Rated impulse voltage (RJ45)	1 kV
Rated current (RJ45)	1 A
Volume resistance	≤ 20 mΩ
Insulation resistance	≤ 10 ¹⁰ mΩ
Shielding	360° shielded data insert housing / optional shield clamp
Pollution severity	3
Category	Cat.6A 10GBit System Class EA (Ethernet TCP/IP, Profinet, Ethernet IP) according to ISO/IEC 11801
Wire connection method	IDC (RJ45) / crimp (RJ45/SC/LC/hybrid)
Wire clamping range	RJ45 inserts, no tool required (FH): Flexible: 0.48 - 0.76 mm² (AWG 26/7...AWG 22/7) Solid: 0.40 - 0.64 mm² (AWG 26/1...AWG 22/1) RJ45 crimp inserts (TH): Flexible: 0.46 - 0.61 mm² (AWG 27/7...AWG 24/7) Solid: 0.36 - 0.51 mm² (AWG 26/1...AWG 24/1) SC/LC crimp inserts: Inner wire G50 µm/125 µm and G62.5 µm/125 µm Hybrid crimp inserts: 0.2 - 0.5 mm² (AWG 24...20)
Temperature range	- 40 °C ... + 70 °C
Insertion and pulling forces	≤ 30 N
Plugging cycles	≥ 500
Materials	
Module housing	PC glass-fibre reinforced
Flammability according to UL 94	V-0
Flammability according to NFF 16-101 / NFF 16-102	I1F2
Colour of module housing	grey (RAL 7032)
Data inserts	Die-cast zinc/ brass/PC (RJ45 TH) / PA (SC socket) / PBT (LC socket) / PA/nickel silver (hybrid)
Contacts (RJ45/hybrid)	Copper (RJ45 FH) / Phosphor-bronze (RJ45 TH) / Tin-bronze (hybrid)
Contact surface (RJ45/hybrid)	Gold-plated nickel (RJ45) / partially gold-plated (hybrid)

Note: These modules are designed as double modules and take up two slots in the ConCept module frames.
The RJ45 data inserts are suitable for PoE (power over Ethernet) in compliance with IEEE 802.3af.
The main catalogue 9 contains additional information on our industrial Ethernet products.

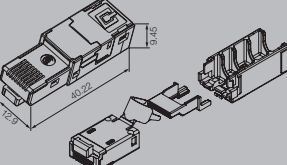
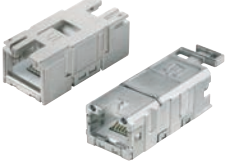
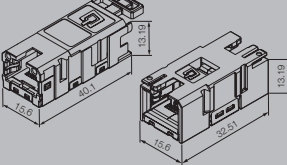


ConCept ST

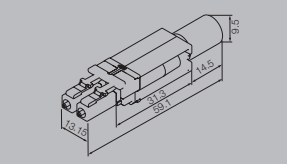
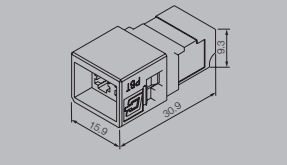
Modules

Male 	<table> <tr> <th>Designation</th><th>Type</th><th>Order No.</th></tr> <tr> <td>Male</td><td>HDC CM ST M</td><td>1157970000</td></tr> </table>	Designation	Type	Order No.	Male	HDC CM ST M	1157970000	
Designation	Type	Order No.						
Male	HDC CM ST M	1157970000						
Female 	<table> <tr> <th>Designation</th><th>Type</th><th>Order No.</th></tr> <tr> <td>Female</td><td>HDC CM ST F</td><td>1157980000</td></tr> </table>	Designation	Type	Order No.	Female	HDC CM ST F	1157980000	
Designation	Type	Order No.						
Female	HDC CM ST F	1157980000						

Data inserts RJ45

Male  	<table> <tr> <th>Designation</th><th>Type</th><th>Order No.</th></tr> <tr> <td>Male</td><td>IE-PI-RJ45-FH</td><td>1962730000</td></tr> <tr> <td>Male</td><td>IE-PI-RJ45-FH-A</td><td>1132010000</td></tr> <tr> <td>Male</td><td>IE-PI-RJ45-FH-B</td><td>1132020000</td></tr> <tr> <td>Male</td><td>IE-PI-RJ45-FH-P</td><td>1132030000</td></tr> <tr> <td>Male</td><td>IE-PI-RJ45-TH</td><td>1962720000</td></tr> </table>	Designation	Type	Order No.	Male	IE-PI-RJ45-FH	1962730000	Male	IE-PI-RJ45-FH-A	1132010000	Male	IE-PI-RJ45-FH-B	1132020000	Male	IE-PI-RJ45-FH-P	1132030000	Male	IE-PI-RJ45-TH	1962720000	
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Male	IE-PI-RJ45-FH-A	1132010000																		
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Male	IE-PI-RJ45-FH-P	1132030000																		
Male	IE-PI-RJ45-TH	1962720000																		
Female  	<table> <tr> <th>Designation</th><th>Type</th><th>Order No.</th></tr> <tr> <td>Female</td><td>IE-BI-RJ45-C</td><td>1962840000</td></tr> <tr> <td>Female</td><td>IE-BI-RJ45-FJ-A</td><td>1962850000</td></tr> <tr> <td>Female</td><td>IE-BI-RJ45-FJ-B</td><td>1963840000</td></tr> <tr> <td>Female</td><td>IE-BI-RJ45-FJ-P</td><td>1963830000</td></tr> </table>	Designation	Type	Order No.	Female	IE-BI-RJ45-C	1962840000	Female	IE-BI-RJ45-FJ-A	1962850000	Female	IE-BI-RJ45-FJ-B	1963840000	Female	IE-BI-RJ45-FJ-P	1963830000				
Designation	Type	Order No.																		
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Female	IE-BI-RJ45-FJ-A	1962850000																		
Female	IE-BI-RJ45-FJ-B	1963840000																		
Female	IE-BI-RJ45-FJ-P	1963830000																		

Data inserts SC/LC

Male  	<table> <tr> <th>Designation</th><th>Type</th><th>Order No.</th></tr> <tr> <td>Male</td><td>IE-PI-2SC-SM</td><td>1962760000</td></tr> <tr> <td>Male</td><td>IE-PI-2SC-MM</td><td>1962750000</td></tr> <tr> <td>Male</td><td>IE-PI-2SC-POF</td><td>1962770000</td></tr> <tr> <td>Male</td><td>IE-PI-2LC-SM</td><td>1962790000</td></tr> <tr> <td>Male</td><td>IE-PI-2LC-MM</td><td>1962780000</td></tr> </table>	Designation	Type	Order No.	Male	IE-PI-2SC-SM	1962760000	Male	IE-PI-2SC-MM	1962750000	Male	IE-PI-2SC-POF	1962770000	Male	IE-PI-2LC-SM	1962790000	Male	IE-PI-2LC-MM	1962780000	
Designation	Type	Order No.																		
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Male	IE-PI-2SC-MM	1962750000																		
Male	IE-PI-2SC-POF	1962770000																		
Male	IE-PI-2LC-SM	1962790000																		
Male	IE-PI-2LC-MM	1962780000																		
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ConCept ST

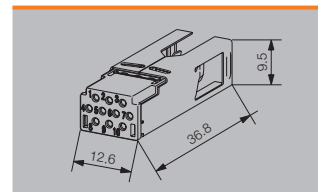
ConCept ST

Data inserts hybrid

Male



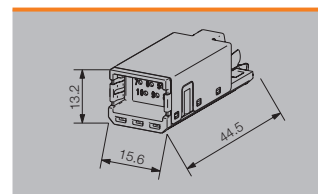
Designation	Type	Order No.
Male	IE-PI-HYB-10P	1068990000



Female



Designation	Type	Order No.
Female	IE-BI-HYB-10P	1069010000



Crimp contacts hybrid

Male

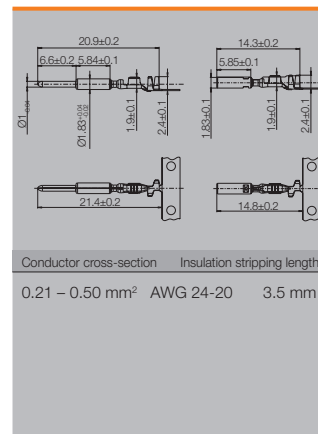


Designation	Type	Order No.
Male	IE-BIC-HYB-P-0.5-300	1096150000

Female



Designation	Type	Order No.
Female	IE-PIC-HYB-S-0.5-300	1096180000



Accessories

Designation	Type	Order No.
Crimping tool RJ45	TT 8 RS MP 8	9202800000
Stripping tool RJ45	IE-CST	9204350000
	AM 12	9030060000
Crimping tools SC/LC	IE-CT-SC-GOF	9205320000
	IE-CT-SC-POF	9205340000
	IE-CT-SC-GOF-P	9205350000
	IE-CT-LC-GOF	9205330000
Stripping tool SC (POF)	M-D-STRIPAX LWL	9003750000
Assembly case SC/LC	IE-CTC-SCST-GOF	1032030000
	IE-CTC-AS-SC-POF	1033360000
	IE-CTC-AS-LC-GOF	1033350000
Crimping tool hybrid	HTF HYB	1119580000
Cutting tool	KT 8	9002650000

CM pneumatic

Technical data

Contact inserts	
Number of valves	1
Type of connection	Hose connection (pneumatic)
Connection diameter, hose (inner)	2.5 mm
Module operating pressure	10 bar
Contact travel	4 mm
Stop valve	Socket side
Hose type	Only use PTFE hoses
Connection diameter, hose (outer)	8 mm
Connection system	Self-locking
Temperature range, installation	-40...80 °C
Flammability class UL 94	V-0

Contacts	
Contact material	Ms 58 brass
Sealing material	NBR
Module body material	PA 6.6
Colour	Black

Note

When delivering liquids or gases of any type through pneumatic modules, it is very important to remember that no current-carrying modules should be mounted or be mounted later in the same housing.

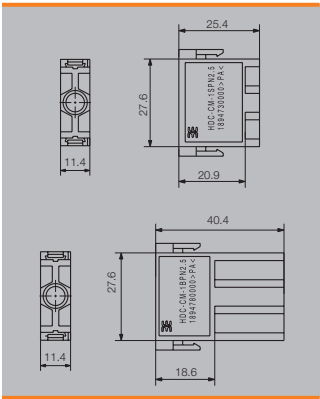


D

Modules

Hose connection (pneumatic)

Type	Type	Order No.
Male	HDC CM 1 MPN 2.5	1894730000
Female	HDC CM 1 FPN 2.5	1894780000
Male	HDC CM 1 MPN 4.0	1894740000
Female	HDC CM 1 FPN 4.0	1894720000

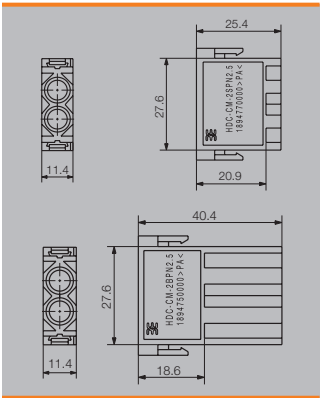


Modules

Hose connection (pneumatic)

Type	Type	Order No.
Male	HDC CM 2 MPN 2.5	1894770000
Female	HDC CM 2 FPN 2.5	1894750000
Male	HDC CM 2 MPN 4.0	1894710000
Female	HDC CM 2 FPN 4.0	1894760000

Note



ConCept module frame

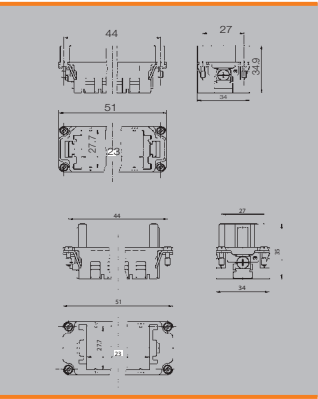
Size 3
CR6 ConCept frame, plastic

Frame



Type	Type	Order No.
Male	HDC-CR6-2S GR	1758440000
Female	HDC-CR6-2B GR	1758450000

Note	For 2 modules
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Selection of Housings RockStar® IP66 Size 3



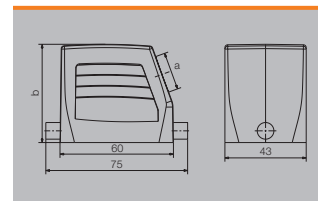
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



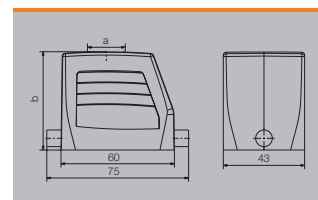
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 06B TSLU 1M20G	1788100000
M 25	w. threading		52	HDC 06B TSLU 1M25G	1788090000
M 25	w. threading		72	HDC 16D TSLU 1M25G	1787480000



Plug housing, cable entry at top



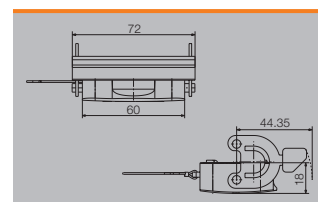
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 06B TOLU 1M20G	1788120000
M 25	w. threading		52	HDC 06B TOLU 1M25G	1788110000
M 25	w. threading		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. threading		72	HDC 16D TOLU 1M32G	1787490000



Cover



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

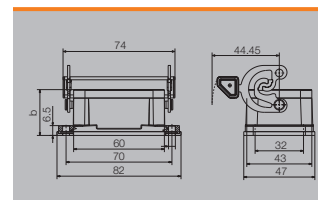


Base

Bulkhead housing



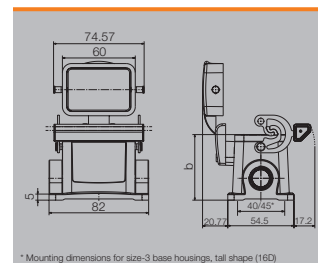
Version	Cover	b (mm)	Type	Order No.
		29	HDC 06B ALU	1202100000
	with cover	47	HDC 06B ADLU	1202500000



Base housing



a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		54	HDC 06B SLU 2M20G	1788140000
M 20	w. threading	with cover	72	HDC 06B SDLU 2M20G	1788170000
M 25	w. threading		54	HDC 06B SLU 2M25G	1788130000
M 25	w. threading	with cover	72	HDC 06B SDLU 2M25G	1788160000

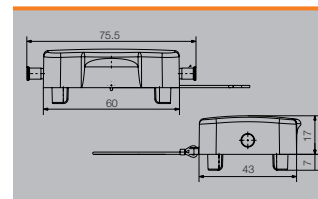


* Mounting dimensions for size-3 base housings, tail shape (16D)

Cover



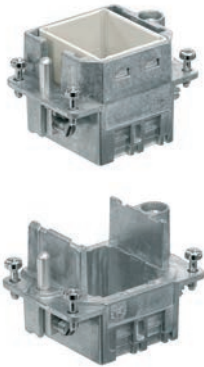
Version	Type	Order No.
For bases	HDC 06B DODL 2BO	1665200000



ConCept module frame

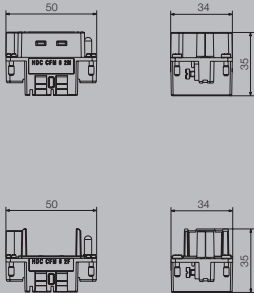
Size 3
CR6 ConCept frame, metal

Frame



Type	Type	Order No.
Male	HDC CFM 6 2M	1983830000
Female	HDC CFM 6 2F	1983840000

Note For 2 modules



Selection of Housings RockStar® IP66 Size 3



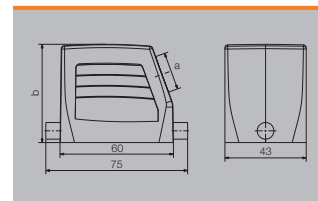
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



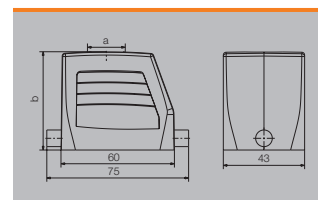
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 06B TSLU 1M20G	1788100000
M 25	w. threading		52	HDC 06B TSLU 1M25G	1788090000
M 25	w. threading		72	HDC 16D TSLU 1M25G	1787480000



Plug housing, cable entry at top



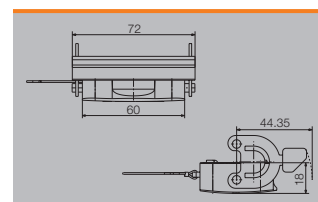
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 06B TOLU 1M20G	1788120000
M 25	w. threading		52	HDC 06B TOLU 1M25G	1788110000
M 25	w. threading		72	HDC 16D TOLU 1M25G	1787500000
M 32	w. threading		72	HDC 16D TOLU 1M32G	1787490000



Cover



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

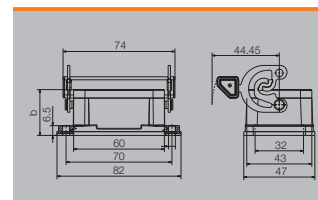


Base

Bulkhead housing



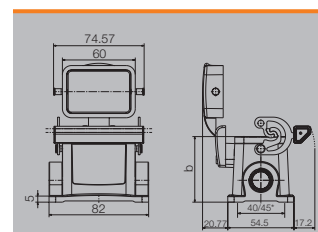
Version	Cover	b (mm)	Type	Order No.
		29	HDC 06B ALU	1202100000
	with cover	47	HDC 06B ADLU	1202500000



Base housing



a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		54	HDC 06B SLU 2M20G	1788140000
M 20	w. threading	with cover	72	HDC 06B SDLU 2M20G	1788170000
M 25	w. threading		54	HDC 06B SLU 2M25G	1788130000
M 25	w. threading	with cover	72	HDC 06B SDLU 2M25G	1788160000



* Mounting dimensions for size-3 base housings, tail shape (16D)

ConCept module frame

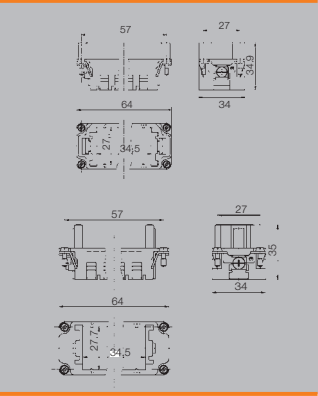
Size 4
CR10 ConCept frame, plastic

Frame



Type	Type	Order No.
Male	HDC-CR10-3S GR	1758460000
Female	HDC-CR10-3B GR	1758470000

Note	For 3 modules
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Selection of Housings RockStar® IP66 Size 4



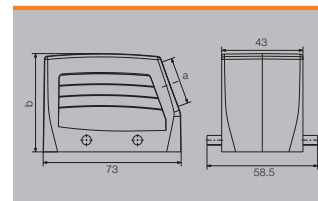
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



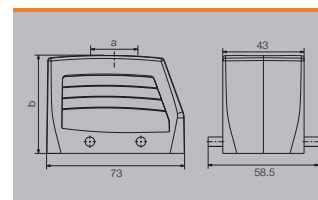
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 10B TSBV 1M20G	1787560000
M 25	w. threading		52	HDC 10B TSBV 1M25G	1787550000
M 25	w. threading		72	HDC 24D TSBV 1M25G	1787240000
M 32	w. threading		72	HDC 24D TSBV 1M32G	1787230000



Plug housing, cable entry at top



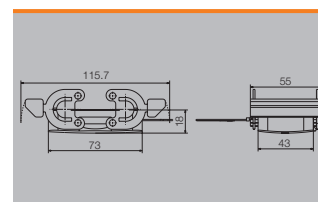
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. threading		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. threading		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. threading		72	HDC 24D TOBU 1M32G	1787290000



Cover



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

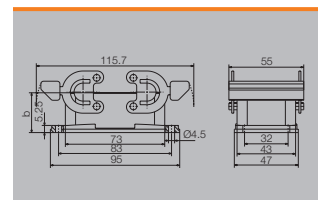


Base

Bulkhead housing



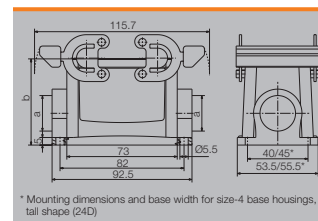
Version	Cover	b (mm)	Type	Order No.
		29.3	HDC 10B ABU	1205000000



Base housing



a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		57	HDC 10B SBU 2M20G	1787640000
M 25	w. threading		57	HDC 10B SBU 2M25G	1787630000

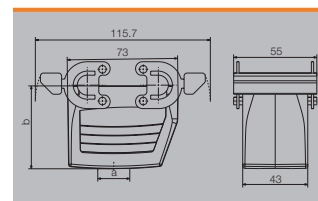


* Mounting dimensions and base width for size-4 base housings, tall shape (24D)

Coupling housing



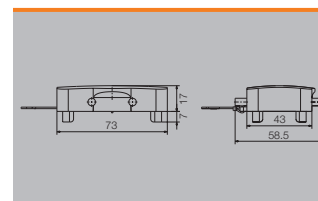
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		55	HDC 10B KBU 1M20G	1787720000



Cover



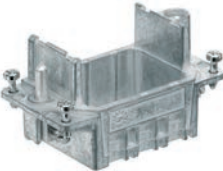
Version	Type	Order No.
For bases	HDC 10B DODQ 4BO	1665230000



ConCept module frame

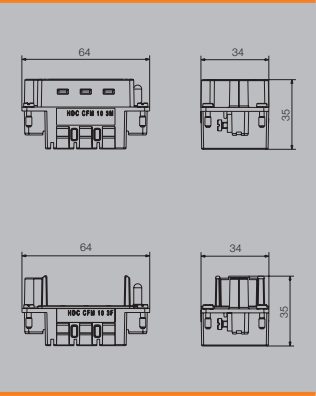
Size 4
CR10 ConCept frame, metal

Frame



Type	Type	Order No.
Male	HDC CFM 10 3M	1983850000
Female	HDC CFM 10 3F	1983860000

Note For 3 modules



Selection of Housings RockStar® IP66 Size 4



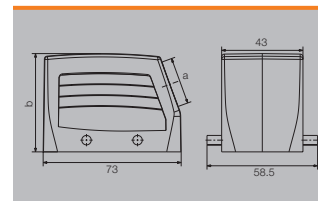
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



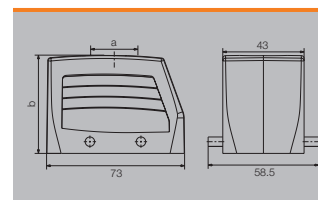
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 10B TSB 1M20G	1787560000
M 25	w. threading		52	HDC 10B TSB 1M25G	1787550000
M 25	w. threading		72	HDC 24D TSB 1M25G	1787240000
M 32	w. threading		72	HDC 24D TSB 1M32G	1787230000



Plug housing, cable entry at top



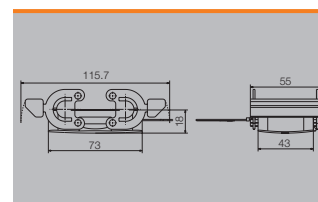
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		52	HDC 10B TOBU 1M20G	1787600000
M 25	w. threading		52	HDC 10B TOBU 1M25G	1787590000
M 25	w. threading		72	HDC 24D TOBU 1M25G	1787300000
M 32	w. threading		72	HDC 24D TOBU 1M32G	1787290000



Cover



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

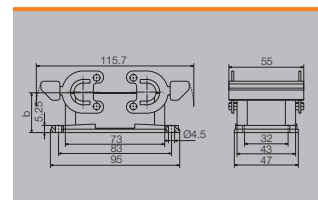


Base

Bulkhead housing



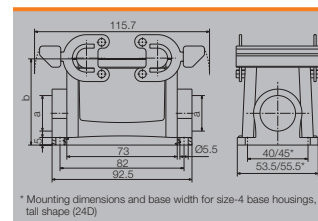
Version	Cover	b (mm)	Type	Order No.
		29.3	HDC 10B ABU	1205000000



Base housing



a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		57	HDC 10B SBU 2M20G	1787640000
M 25	w. threading		57	HDC 10B SBU 2M25G	1787630000

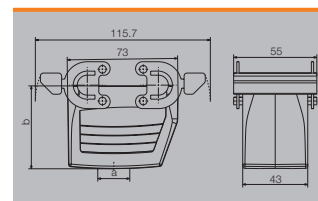


* Mounting dimensions and base width for size-4 base housings, tall shape (24D)

Coupling housing



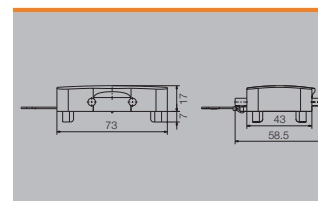
a	Version	Cover	b (mm)	Type	Order No.
M 20	w. threading		55	HDC 10B KBU 1M20G	1787720000



Cover



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

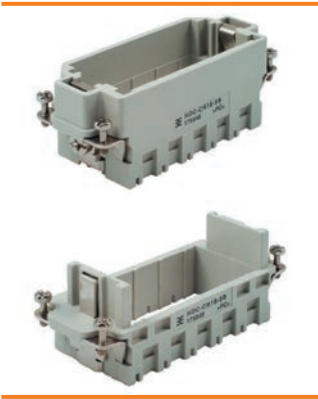


ConCept module frame

Size 6

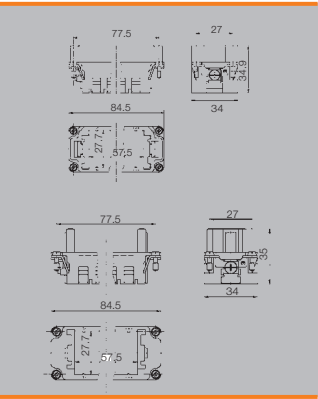
CR16 ConCept frame, plastic

Frame



Type	Type	Order No.
Male	HDC-CR16-5S GR	1758480000
Female	HDC-CR16-5B GR	1758490000

Note	For 5 modules
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Selection of Housings RockStar® IP66 Size 6



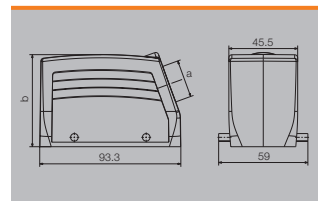
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



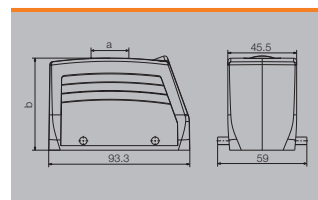
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 16B TSBV 1M25G	1788180000
M 25	w. threading		76	HDC 40D TSBV 1M25G	1787010000
M 32	w. threading		76	HDC 40D TSBV 1M32G	1787000000



Plug housing, cable entry at top



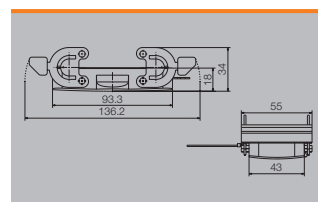
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. threading		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. threading		76	HDC 40D TOBU 1M32G	1787060000



Cover



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

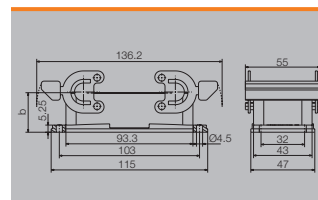


Base

Bulkhead housing



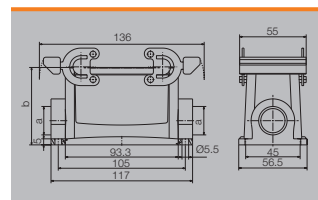
Version	Cover	b (mm)	Type	Order No.
		29	HDC 16B ABV	1208600000



Base housing



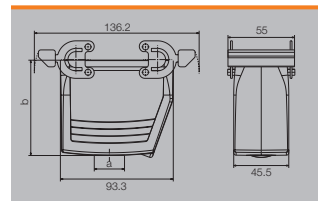
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		64	HDC 16B SBU 2M25G	1788240000
M 25	w. threading		84	HDC 40D SBU 2M25G	1787120000
M 32	w. threading		84	HDC 40D SBU 2M32G	1787110000



Coupling housing



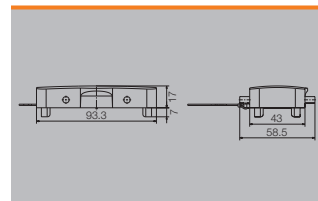
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		79	HDC 40D KBU 1M25G	1787200000
M 32	w. threading		79	HDC 40D KBU 1M32G	1787190000



Cover



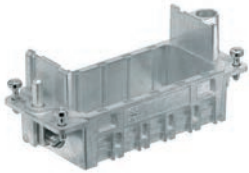
Version	Type	Order No.
For bases	HDC 16B DODQ 4BO	1665260000



ConCept module frame

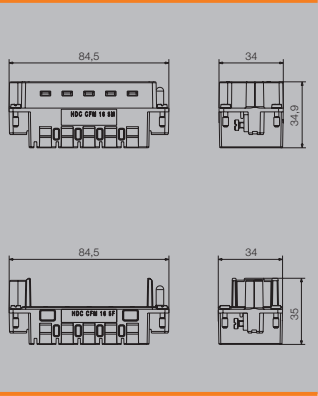
Size 6
CR16 ConCept frame, metal

Frame



Type	Type	Order No.
Male	HDC CFM 16 5M	1983870000
Female	HDC CFM 16 5F	1983880000

Note	For 5 modules
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Selection of Housings RockStar® IP66 Size 6



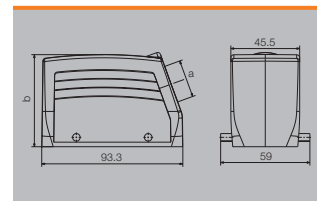
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



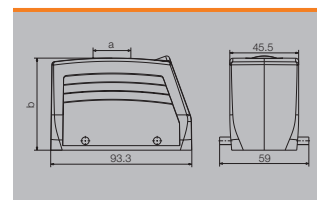
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 16B TSBU 1M25G	1788180000
M 25	w. threading		76	HDC 40D TSBU 1M25G	1787010000
M 32	w. threading		76	HDC 40D TSBU 1M32G	1787000000



Plug housing, cable entry at top



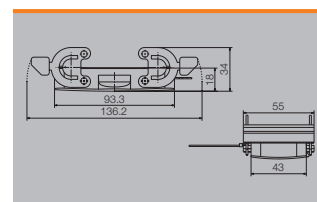
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 16B TOBU 1M25G	1788210000
M 25	w. threading		76	HDC 40D TOBU 1M25G	1787070000
M 32	w. threading		76	HDC 40D TOBU 1M32G	1787060000



Cover



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

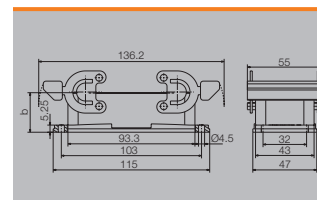


Base

Bulkhead housing



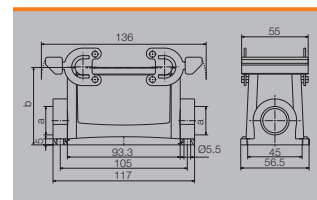
Version	Cover	b (mm)	Type	Order No.
		29	HDC 16B ABU	1208600000



Base housing



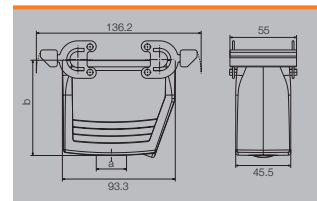
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		64	HDC 16B SBU 2M25G	1788240000
M 25	w. threading		84	HDC 40D SBU 2M25G	1787120000
M 32	w. threading		84	HDC 40D SBU 2M32G	1787110000



Coupling housing



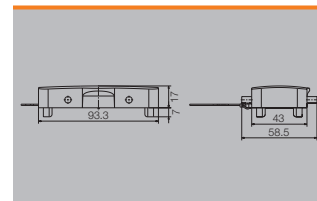
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		79	HDC 40D KBU 1M25G	1787200000
M 32	w. threading		79	HDC 40D KBU 1M32G	1787190000



Cover



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

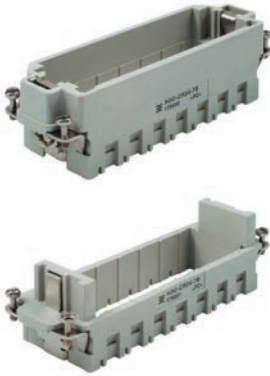


ConCept module frame

Size 8

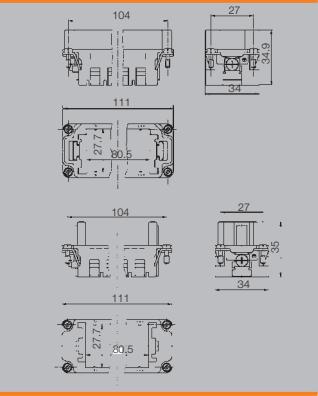
CR24 ConCept frame, plastic

Frame



Type	Type	Order No.
Male	HDC-CR24-7S GR	1758500000
Female	HDC-CR24-7B GR	1758510000

Note	For 7 modules
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Selection of Housings RockStar® IP66 Size 8



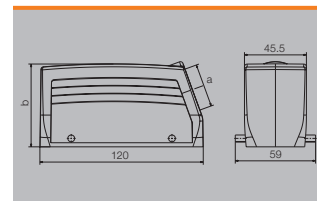
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



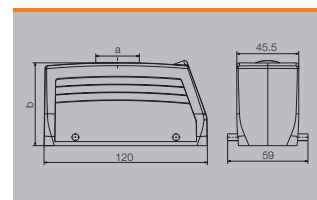
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 24B TSB 1M25G	1787760000
M 25	w. threading		76	HDC 64D TSB 1M25G	1786780000
M 32	w. threading		61	HDC 24B TSB 1M32G	1787750000
M 32	w. threading		76	HDC 64D TSB 1M32G	1786770000



Plug housing, cable entry at top



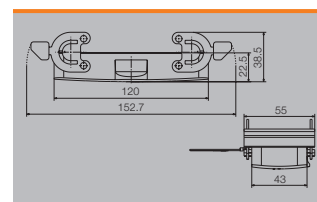
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 24B TOBU 1M25G	1787820000
M 32	w. threading		61	HDC 24B TOBU 1M32G	1787810000
M 32	w. threading		76	HDC 64D TOBU 1M32G	1786830000



Cover



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

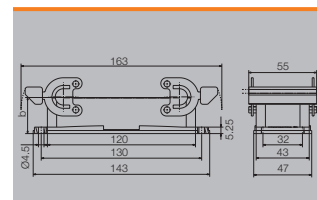


Base

Bulkhead housing



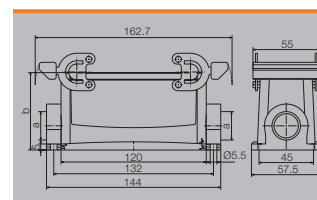
Version	Cover	b (mm)	Type	Order No.
		29.3	HDC 24B ABU	1212400000



Base housing



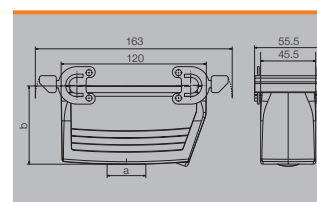
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		64	HDC 24B SBU 2M25G	1787870000
M 25	w. threading		84	HDC 64D SBU 2M25G	1786890000
M 32	w. threading		84	HDC 64D SBU 2M32G	1786880000



Coupling housing



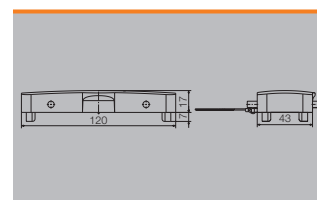
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		65	HDC 24B KBU 1M25G	1787920000
M 32	w. threading		79	HDC 64D KBU 1M32G	1786960000



Cover



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



ConCept module frame

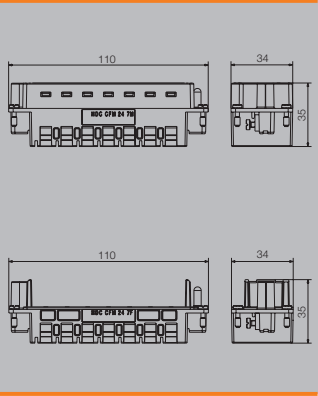
Size 8
CR24 ConCept frame, metal

Frame



Type	Type	Order No.
Male	HDC CFM 24 7M	1983890000
Female	HDC CFM 24 7F	1983900000

Note	For 7 modules
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Selection of Housings RockStar® IP66 Size 8



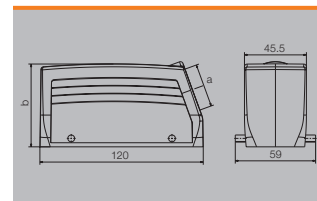
Further housings are available, see
Chapter E for IP66 and Chapter F for IP68

Hood

Plug housing, cable entry sideways



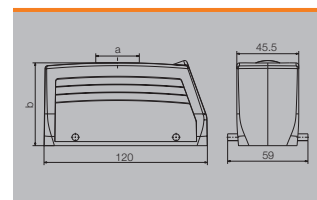
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 24B TSBU 1M25G	1787760000
M 25	w. threading		76	HDC 64D TSBU 1M25G	1786780000
M 32	w. threading		61	HDC 24B TSBU 1M32G	1787750000
M 32	w. threading		76	HDC 64D TSBU 1M32G	1786770000



Plug housing, cable entry at top



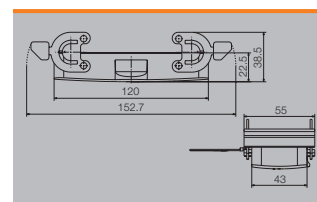
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		61	HDC 24B TOBU 1M25G	1787820000
M 32	w. threading		61	HDC 24B TOBU 1M32G	1787810000
M 32	w. threading		76	HDC 64D TOBU 1M32G	1786830000



Cover



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

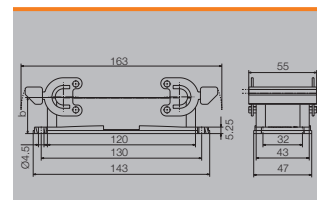


Base

Bulkhead housing



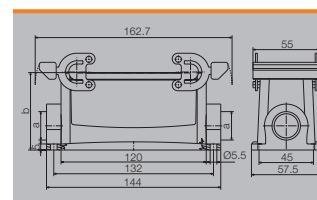
Version	Cover	b (mm)	Type	Order No.
		29.3	HDC 24B ABU	1212400000



Base housing



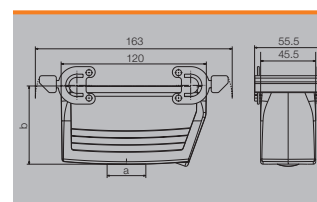
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		64	HDC 24B SBU 2M25G	1787870000
M 25	w. threading		84	HDC 64D SBU 2M25G	1786890000
M 32	w. threading		84	HDC 64D SBU 2M32G	1786880000



Coupling housing



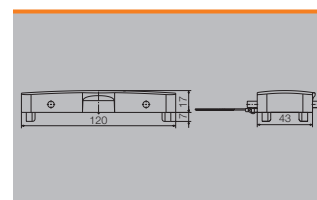
a	Version	Cover	b (mm)	Type	Order No.
M 25	w. threading		65	HDC 24B KBU 1M25G	1787920000
M 32	w. threading		79	HDC 64D KBU 1M32G	1786960000



Cover



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



Selection of Housings RockStar® IP66 Size 10



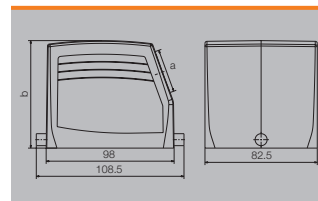
Further housings are available, see
Chapter E for IP66

Hood

Plug housing, cable entry sideways



a	Version	Cover	b (mm)	Type	Order No.
M 32	w. threading		79	HDC 32B TSLU 1M32G	1788420000

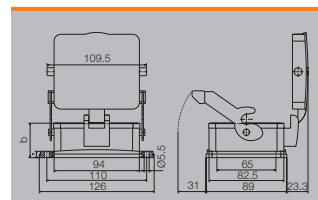


Base

Bulkhead housing



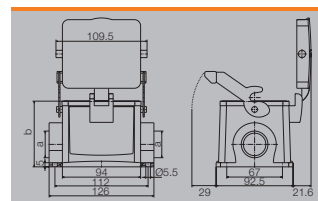
Version	Cover	b (mm)	Type	Order No.
		38	HDC 32B ALU	1219500000
	with cover	55	HDC 32B ADLU	1219800000



Base housing



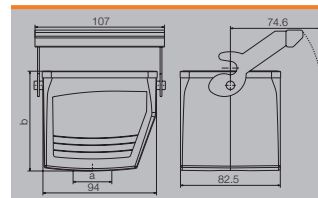
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. threading		79	HDC 32B SLU 2M32G	1788470000
M 32	w. threading	with cover	96	HDC 32B SDLU 2M32G	1788490000



Coupling housing



a	Version	Cover	b (mm)	Type	Order No.
M 32	w. threading		83	HDC 32B KLU 1M32G	1788500000



Selection of Housings RockStar® IP66 Size 12



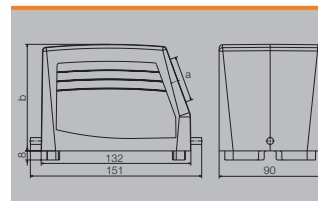
Further housings are available, see
Chapter E for IP66

Hood

Plug housing, cable entry sideways



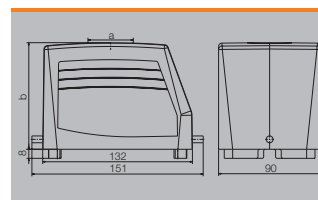
a	Version	Cover	b (mm)	Type	Order No.
M 32	w. threading		94	HDC 48B TSLU 1M32G	1788320000
M 40	w. threading		94	HDC 48B TSLU 1M40G	1788310000
M 50	w. threading		94	HDC 48B TSLU 1M50G	1788300000



Plug housing, cable entry at top



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

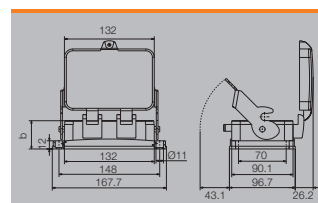


Base

Bulkhead housing



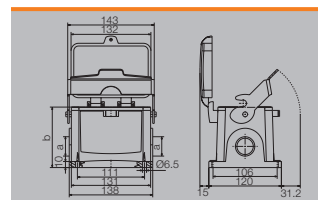
Version	Cover	b (mm)	Type	Order No.
	with cover	62	HDC 48B ADLU	1222900000



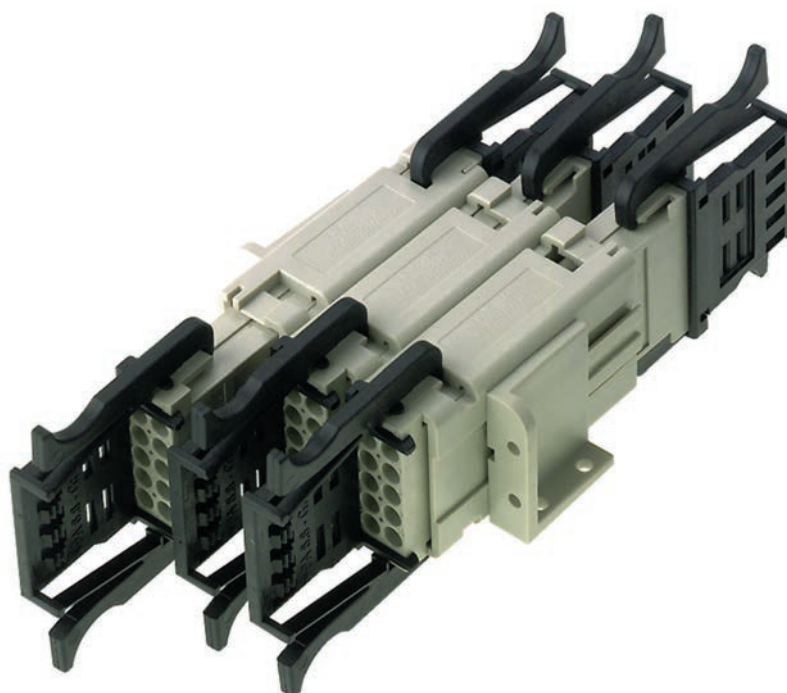
Base housing



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



ModuFlex C



The ModuFlex C coupling system together with modules from the ConCept connector system provides a flexible and low-cost solution for indoor applications (IP20 zone).

ConCept 3–20-pin male and female modules of the same pin number and design can be mounted in the coupling frame. Up to 5 coupling frames can be combined into a block with the help of the tongue-and-groove locking system. The coupling frames can also be locked onto TS32 and TS35 rail by using the mounting feet.

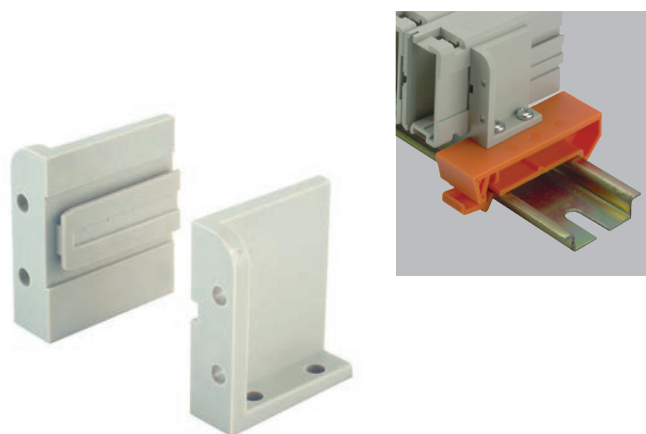
Each individual module can be individually plugged in and released. Thanks to the optional extractor / strain relief tool and the snap-on mounting bracket, ModuFlex C-coupling frames and the male and female modules of the ConCept system allow a wide range of combinations for all possible connector configurations.

Coupling frame



- Max. 5 coupling frames in a row
- Protection from incorrect connection
- Force required to withdraw a single module from the coupling frame >170 N

Mounting bracket / mounting foot

**Mounting bracket**

- For fixing the coupling frames to a flat surface and to MOFU mounting foot
- Hole diameter 3 mm

Mounting foot

- For fixing coupling frames to TS35x7.5 and TS35x15 mounting rails using mounting brackets

Technical data

C-CR

	Coupling frame
Insulation	PC
Colour	grey (RAL 7032)
Temperature range	-40 ... +120 °C
Flammability class to UL 94	V-0

Ordering data

Type	Qty.	Order No.
ModuFlex C-CR grey	10	1746060000

Technical data

C-MW

	Mounting bracket	Mounting foot
Insulation	PC	PA
Colour	grey (RAL 7032)	orange
Temperature range	-40 ... +120 °C	-40 ... +120 °C
Flammability class to UL 94	V-0	V-2

Ordering data

Type		Qty.	Order No.
ModuFlex C-MW	Mounting bracket	10	1746070000
MOFU	Mounting foot	20	0495660000

Accessories

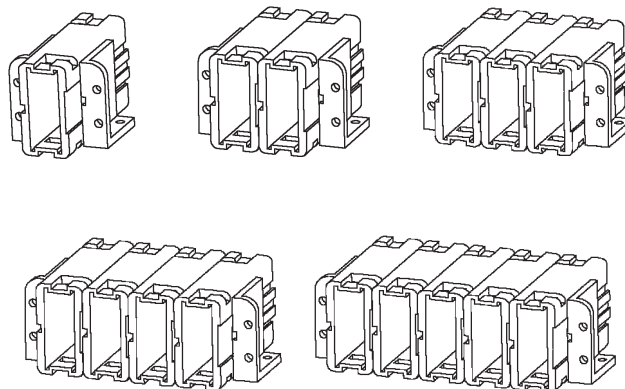
Type	Qty.	Order No.
Crosshead screw for fastening the coupling to the mounting foot, to front and back panel and to a flat surface PTSC KB 30 x 6	100	1766120000
Spacer pin M3 x 27 and clamping screws M3 x 8 in set. For mounting the coupling to flat panels. 1 pack contains 80 screws and 40 spacer pins, separately packaged. ABST.BOLZM3X27+KLSC-KIT	1	1766130000

ModuFlex C

Module extractor and strain relief tool



Coupling frame – sets



- Set consists of:
- 1 – 5 coupling frames
 - 1 right and 1 left mounting bracket

Technical data

C-MH/ZE

	Module extractor and strain relief tool
Insulation	PA
Colour	black
Temperature range	–40 ... +120 °C
Flammability class to UL 94	V-2

Ordering data

Type	Qty.	Order No.
ModuFlex C-MH/ZE black	10	1752970000

Technical data

	Mounting bracket	Mounting foot
Insulation	PC	PA
Colour	grey (RAL 7032)	orange
Temperature range	–40 ... +120 °C	–40 ... +120 °C
Flammability class to UL 94	V-0	V-2

Ordering data

Type	No. of coupling frames	Qty.	Order No.
ModuFlex C-KiTo.M.MW-1F	1	1	1765570000
ModuFlex C-KiTo.M.MW-2F	2	1	1765580000
ModuFlex C-KiTo.M.MW-3F	3	1	1765590000
ModuFlex C-KiTo.M.MW-4F	4	1	1765600000
ModuFlex C-KiTo.M.MW-5F	5	1	1765610000

Accessories

Type	Qty.	Order No.
Crosshead screw for fastening the coupling to the mounting foot, to front and back panel and to a flat surface PTSC KB 30 x 6	100	1766120000
Spacer pin M3 x 27 and clamping screws M3 x 8 in set. For mounting the coupling to flat panels. 1 pack contains 80 screws and 40 spacer pins, separately packaged. ABST.BOLZM3X27+KLSC-KIT	1	1766130000