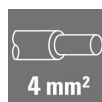


HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

A small size but quite big. The electrical values speak for themselves. Proven HE crimp contacts can also be used here.

Pole count: 8 (+PE)**Rated current: 16 A****Rated voltage: 500 V****Nominal voltage acc. to UL/CSA: 600 V AC/DC****Crimp connection****General ordering data**

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 8, Crimp connection, Size: HQ
Order No.	1919980000
Type	HDC HQ 8 FC
GTIN (EAN)	4032248557950
Qty.	1 pc(s).

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	41.6 mm	Depth (inches)	1.638 inch
Height	38.5 mm	Height (inches)	1.516 inch
Width	22.4 mm	Width (inches)	0.882 inch
Net weight	17 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
-------------------	-------------------

Dimensions

Height of socket	38.5 mm	Total length base	41.6 mm
Width	22.4 mm		

General data

BG	HQ	Colour	beige
Free from halogens	false	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulating material group	IIIa	Insulation strength	10 ¹⁰ Ω
Low smoke acc. DIN EN 45545-2	Yes	Material	Copper alloy
Number of poles	8	Plugging cycles, gold	≥ 500
Plugging cycles, silver	≥ 500	Pollution severity	3
Rated current (DIN EN 61984)	16 A	Rated impulse voltage (DIN EN 61984)	6 kV
Rated voltage (DIN EN 61984)	500 V	Rated voltage according to UL/CSA	600 V AC/DC
Series	HQ	Size	HQ
Type	Female	Type of connection	Crimp connection
UL 94 flammability rating	V-0	Volume resistance	≤2 mΩ

Connection data PE

Connection type PE	Crimp connection	Rated cross-section	4 mm ²
Stripping length PE connection	7.5 mm	Wire cross section, AWG (PE), max.	AWG 12
Wire cross section, AWG (PE), min.	AWG 20		

Version

BG	HQ	Conductor cross-section, max.	4 mm ²
Conductor cross-section, min.	0.5 mm ²	Material	Copper alloy
Size	HQ	Stripping length, rated connection	7.5 mm
Type of connection	Crimp connection	Volume resistance	≤2 mΩ
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ECLASS 9.0	27-44-02-05	ECLASS 9.1	27-44-02-05
ECLASS 10.0	27-44-02-05	ECLASS 11.0	27-44-02-05
ECLASS 12.0	27-44-02-05	ECLASS 13.0	27-44-02-05

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

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Technical data

Substance	Acetone
Chemical resistance	Resistant
Substance	Ammonia, watery
Chemical resistance	Conditionally resistant
Substance	Petrol
Chemical resistance	Resistant
Substance	Benzene
Chemical resistance	Resistant
Substance	Diesel oil
Chemical resistance	Conditionally resistant
Substance	Acetic acid, concentrated
Chemical resistance	Resistant
Substance	Potassium hydroxide
Chemical resistance	Conditionally resistant
Substance	Methanol
Chemical resistance	Conditionally resistant
Substance	Motor oil
Chemical resistance	Conditionally resistant
Substance	Lye, diluted
Chemical resistance	Resistant
Substance	Hydrochlorofluorocarbons
Chemical resistance	Conditionally resistant
Substance	Outdoor use
Chemical resistance	Conditionally resistant

Environmental Product Compliance

REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@722f57ea de.myview.objectmodel.impl.BlockImpl@15273abc de.myview.objectmodel.impl.BlockImpl@7109ca81 de.myview.objectmodel.impl.BlockImpl@d7541b0 de.myview.objectmodel.impl.BlockImpl@56dd7f3 de.myview.objectmodel.impl.BlockImpl@29b3ef38 de.myview.objectmodel.impl.BlockImpl@1651654d de.myview.objectmodel.impl.BlockImpl@318edef6 de.myview.objectmodel.impl.BlockImpl@5ab7557b de.myview.objectmodel.impl.BlockImpl@6c4bbb3a de.myview.objectmodel.impl.BlockImpl@71adc0f3 de.myview.objectmodel.impl.BlockImpl@3613c95e

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Creation date June 4, 2024 7:10:33 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

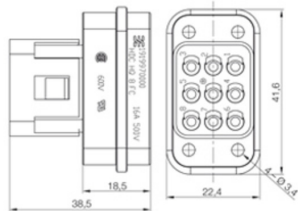
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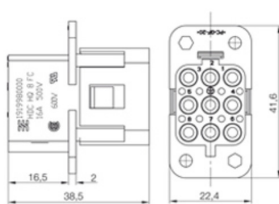
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Drawings

500



500



HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

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Germany

www.weidmueller.com

Accessories

Crosshead screwdriver Phillips



Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

General ordering data

Type	SDK PH0	Version
Order No.	9008470000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056460	
Qty.	1 pc(s).	

Bulkhead housing



The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.

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The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

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General ordering data

Type	HDC HQP ALU CS	Version
Order No.	1354950000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side,
GTIN (EAN)	4050118157215	Standard
Qty.	1 pc(s).	
Type	HDC HQP ALU	Version
Order No.	1003040000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side,
GTIN (EAN)	4032248697977	Standard
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

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www.weidmueller.com**Accessories****Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version
Order No.	9008390000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 pc(s).	

Crimping tools**Crimping tools for turned contacts**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

Type	CTX CM 1.6/2.5	Version
Order No.	9018490000	Pressing tool, Crimping tool for contacts, 0.14mm², 4mm², W crimp
GTIN (EAN)	4008190884598	
Qty.	1 pc(s).	

Type	CTIN CM 1.6/2.5	Version
Order No.	9205430000	Pressing tool, Crimping tool for contacts, 0.14mm², 6mm², 4-indent
GTIN (EAN)	4032248733446	crimp
Qty.	1 pc(s).	

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

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Accessories

Crimp contacts HE



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

General ordering data

Type	HDC-C-HE-BM0.75-1.00AU	Version
Order No.	1651480000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400156	Female, Conductor cross-section, max.: 1, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM2.5AG	Version
Order No.	1201400000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190047078	Female, Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM4.0AG	Version
Order No.	1201500000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190148096	Female, Conductor cross-section, max.: 4, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM2.5AU	Version
Order No.	1651500000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400170	Female, Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM0.5AU	Version
Order No.	1651470000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400149	Female, Conductor cross-section, max.: 0.5, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM0.75-1.00AG	Version
Order No.	1201200000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190044480	Female, Conductor cross-section, max.: 1, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM1.5AG	Version
Order No.	1201300000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190100346	Female, Conductor cross-section, max.: 1.5, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM1.5AU	Version
Order No.	1651490000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400163	Female, Conductor cross-section, max.: 1.5, turned, Copper alloy
Qty.	100 pc(s).	
Type	HDC-C-HE-BM0.5AG	Version
Order No.	1201100000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190142698	Female, Conductor cross-section, max.: 0.5, turned, Copper alloy
Qty.	100 pc(s).	

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

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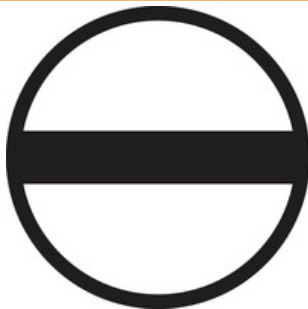
Germany

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Accessories

Type	HDC-C-HE-BM4.0AU	Version
Order No.	1651510000	Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate,
GTIN (EAN)	4008190400187	Female, Conductor cross-section, max.: 4, turned, Copper alloy
Qty.	100 pc(s).	

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 pc(s).	

Plug housing, cable entry sideways



The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

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The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

General ordering data

Type	HDC HQM TSLU 1PG21	Version
Order No.	1003100000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on
GTIN (EAN)	4032248698035	lower side, Standard, Size of cable entries: PG 21
Qty.	1 pc(s).	

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Accessories

Plug housing, cable entry sideways



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General ordering data

Type	HDC HQP TSLU 1PG16	Version
Order No.	1003090000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on lower side, Standard, Size of cable entries: PG 16
GTIN (EAN)	4032248698028	
Qty.	1 pc(s).	

HE

Various accessories are available for our inserts. This includes coding elements for the inserts.



General ordering data

Type	HDC HE CP	Version
Order No.	1003240000	Heavy-duty connectors, Accessories, Coding System
GTIN (EAN)	4032248698233	
Qty.	100 pc(s).	

HDC HQ 8 FC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Accessories

Bulkhead housing



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General ordering data

Type	HDC HQM ALU CS	Version
Order No.	1251680000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side,
GTIN (EAN)	4050118051803	Standard
Qty.	1 pc(s).	
Type	HDC HQM ALU	Version
Order No.	1003050000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side,
GTIN (EAN)	4032248697984	Standard
Qty.	1 pc(s).	

Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PHO	Version
Order No.	9008560000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056552	
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****Angled bulkhead housing**

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General ordering data

Type	HDC HQP AWLU	Version
Order No.	1003060000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side,
GTIN (EAN)	4032248697991	Standard
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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www.weidmueller.com**Accessories****Base housing**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

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Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

General ordering data

Type	HDC HQP SLU 1PG16	Version
Order No.	1003110000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard,
GTIN (EAN)	4032248698042	Size of cable entries: PG 16
Qty.	1 pc(s).	

Contact removal tools

Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

Type	REMOVAL TOOL HE	Version
Order No.	1866750000	Tools, Contact Removal Tool
GTIN (EAN)	4032248437078	
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****Plug housing, cable entry at top**

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General ordering data

Type	HDC HQM TOLU 1PG21	Version
Order No.	1003080000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on
GTIN (EAN)	4032248698011	lower side, Standard, Size of cable entries: PG 21
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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www.weidmueller.com**Accessories****Coupling housing**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

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General ordering data

Type	HDC HQP KOLU 1PG16	Version
Order No.	1003120000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side,
GTIN (EAN)	4032248698059	Standard, Size of cable entries: PG 16
Qty.	1 pc(s).	

HDC HQ 8 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****Plug housing, cable entry at top**

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General ordering data

Type	HDC HQP TOLU 1PG16	Version
Order No.	1003070000	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on
GTIN (EAN)	4032248698004	lower side, Standard, Size of cable entries: PG 16
Qty.	1 pc(s).	

Tightening torques and screwing tools

Screw size	Connector type	Dia. tightening torque in Nm	Recommended blade inserts and AF size for hexagon socket
M 2.5	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
M 2.9 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
M 3	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 bis 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
M 4	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
M 5	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 PZ 2
	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 PZ 2
	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
M 6	Power contacts		
	S 4/0 (Screw connection)	1.2 (1.5 mm ²) / 2 (2.5 mm ²) / 3 (4-16 mm ²)	SD 0.8 x 4 mm
	S 4/2	1.2 (1.5 mm ²) / 2 (2.5 mm ²) / 3 (4-16 mm ²)	SD 0.8 x 4 mm
	S 4/8	1.2 (1.5 mm ²) / 2 (2.5 mm ²) / 3 (4-16 mm ²)	SD 0.8 x 4 mm
M 7 x 0.75	Power contacts		
	S 4	1.1 - 1.7	SW 2
	S 6/6 (+ PE)	6 - 8	SW 4
M 8 x 0.75	Power contacts		
	S 6/12	1.1 - 1.7	SW 2
	S 8/0 (+ PE)	6 (10-16 mm ²) - 7 (25 mm ²)	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.