Data sheet

CH-HMAB-XXXX-06-0100-AB

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

www.weidmueller.com

IP65 | Shielded | 2.5 mm² | RoHS COMPLIANT

The increasingly networked industrial world goes hand in hand with the modularization of machines and systems. Functions from the control cabinet are increasingly being moved to field level, which drives up the amount of cabling required.
Our ready-for-connection cable assemblies can be used wiring in field level and for transmitting data or power in various applications. The Plug & Produce solution by Weidmüller are fully tested and will lead to simplification of assembly on your machine. This allows you to focus on your core competencies and further increase your efficiency.
With our broad product portfolio of certified components, we offer you a wide diversification so that we can provide you the perfect solution for your application.
If you cannot find the cable assembly you are looking for despite our continuously growing portfolio, we can also offer you different length variants and customer-specific solutions.

General ordering data

Version	Heavy duty connector assemblies, Socket connector, Helukabel JZ-500-C black 7G2.5 or similar, Shielded: Yes, Number of poles: 6
Order No.	2712390100
Type	CH-HMAB-XXXX-06-0100-AB
GTIN (EAN)	4050118779257
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Net weight	634.47 g

Temperatures

Limit temperature	-40 °C ... 80 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
SCIP	81ca46c4-2930-4739-aa54-e07d33c98f2c

General Technical Data

Number of poles	6	Pin arrangement	1:1, numbered cores
Nominal voltage	500 V	Protection degree	IP65

Technical Specifications Connector

Connector	Connector description	Connector 1
	Cable entry	straight
	Housing main material	Die-cast zinc
	Series	HQ
	Size	HQ
	Type	Female
	Individual components connector	HDC HQM TOLU 1PG21, HDC HQ 4/2 FC, HDC C HX BM2.5AG, HDC-C-HD-BM2.5AG, VG 21 HQ EMV68 11-15.5

Technical specifications for cable

Cable length	1 m	Line type	Helukabel JZ-500-C black 7G2.5 or similar
Sheathing colour	black	Core cross-section	2.5 mm²
Number of wires	7	Shielded	Yes
Halogen	Yes	Insulation	PVC
Temperature range, moving, max.	80 °C	Temperature range, moving, min.	-10 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Sheath material	PVC	Outside diameter	12.1 mm

Classifications

ETIM 8.0	EC001576	ETIM 9.0	EC001576
ETIM 10.0	EC001576	ECLASS 14.0	27-06-04-02
ECLASS 15.0	27-06-04-02		

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Accessories

4/2-pole

The HQ series - big features in a compact design. The electrical characteristics speak for themselves. You can also use the proven HD and HX crimp contacts here.
The wire connection level is designed for crimp contacts. The proven crimp connection has been in standard use for decades.
Crimp contacts are not included in the scope of delivery of inserts.
Pole count: 4/2 (+PE)
Rated current: 40/10 A
Rated voltage: 690 / 250 V
Rated voltage acc. to UL/CSA: 600 V AC/DC

General ordering data

Type	HDC HQ 4/2 MC	Version
Order No.	1003170000	HDC insert, Male, 690 V, 40 A, Number of poles: 6, Crimp
GTIN (EAN)	4032248698165	connection, Installation size: HQ
Qty.	1 ST	

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.
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 HQP ALU	Version
Order No.	1003040000	HDC enclosures, Installation size: HQ, Protection degree: IP65, in
GTIN (EAN)	4032248697977	plugged condition, Bulkhead housing, Side-locking clamp on lower
Qty.	1 ST	side, Standard, Size of cable entries: none

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Accessories

Angled bulkhead housing

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General ordering data

Type	HDC HQP AWLU	Version
Order No.	1003060000	HDC enclosures, Installation size: HQ, Protection degree: IP65, in
GTIN (EAN)	4032248697991	plugged condition, Bulkhead housing, Side-locking clamp on lower
Qty.	1 ST	side, Standard, Size of cable entries: none

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.
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.
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General ordering data

Type	HDC HQP ALU CS	Version
Order No.	1354950000	HDC enclosures, Installation size: HQ, Protection degree: IP65, in
GTIN (EAN)	4050118157215	plugged condition, Bulkhead housing, Side-locking clamp on lower
Qty.	1 ST	side, Standard, Size of cable entries: none

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Coupling housing

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General ordering data

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

Base 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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General ordering data

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

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Bulkhead housing

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General ordering data

Type	HDC HQM ALU	Version
Order No.	1003050000	HDC enclosures, Installation size: HQ, Protection degree: IP65, in
GTIN (EAN)	4032248697984	plugged condition, Bulkhead housing, Side-locking clamp on lower
Qty.	1 ST	side, Standard, Size of cable entries: none
Type	HDC HQM ALU CS	Version
Order No.	1251680000	HDC enclosures, Installation size: HQ, Protection degree: IP65, in
GTIN (EAN)	4050118051803	plugged condition, Bulkhead housing, Side-locking clamp on lower
Qty.	1 ST	side, Standard, Size of cable entries: none