

CH-HNAA-HNAB-06-0500-AB

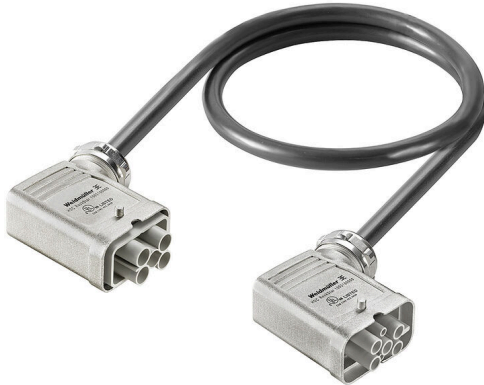
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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 for 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, Pin, Socket connector, Helukabel JZ-500-C black 7G2.5 or similar, Shielded: Yes, Number of poles: 6
Order No.	2712380500
Type	CH-HNAA-HNAB-06-0500-AB
GTIN (EAN)	4050118779240
Qty.	1 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Net weight	2083.31 g
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Temperatures

Limit temperature	-40 °C ... 80 °C
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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, 6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol 119-47-1
SCIP	1344e4a2-b558-4ad0-95d1-5c6df3fdd75e

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	angled
	Housing main material	Zinc diecast
	Series	HQ
	Size	6
	Type	Pin
	Individual components connector	HDC HQ 4/2 MC , HDC C HX SM2.5AG , HDC-C-HD-SM2.5AG , VG 21 HQ EMV68 11-15.5
	Connector description	Connector 2
	Cable entry	angled
	Housing main material	Zinc diecast
	Series	HQ
	Size	6
	Type	Female
	Individual components connector	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	5 m	Line type	Helukabel JZ-500-C black 7G2.5 or similar
Sheathing colour	black	Core cross-section	2.5 mm ²
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

Technical data

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 connection, Installation size: HQ
GTIN (EAN)	4032248698165	
Qty.	1 ST	
Type	HDC HQ 4/2 FC	Version
Order No.	1003160000	HDC insert, Female, 690 V, 40 A, Number of poles: 6, Crimp connection, Installation size: HQ
GTIN (EAN)	4032248698158	
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 plugged condition, Bulkhead housing, Side-locking clamp on lower side, Standard, Size of cable entries: none
GTIN (EAN)	4032248697977	
Qty.	1 ST	

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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.

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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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Accessories

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.

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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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Accessories

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