

**CH-HNAA-HNAB-06-0500-AB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 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.	<a href="#">2712380500</a>
Type	CH-HNAA-HNAB-06-0500-AB
GTIN (EAN)	4050118779240
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Net weight	2,083.31 g
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## Temperatures

Limit temperature	-40 °C ... 80 °C
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## Technical specifications for cable

Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	5	Core cross-section	2.5 mm <sup>2</sup>
Halogen	Yes	Insulation	PVC
Number of poles	6	Number of wires	7
Outside diameter	12.1 mm	Sheath material	PVC
Sheathing colour	black	Shielded	Yes
Temperature range, moving	-10...80 °C	Temperature range, stationary	-40...80 °C

## General technical data

Protection degree	IP65	Rated voltage	500 V
Version	Pin, Socket connector		

## General Technical Data

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

## 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	<a href="#">HDC HQ 4/2 MC HDC C HX SM2.5AG HDC-C-HD-SM2.5AG VG 21 HQ EMV68 11-15.5</a>
	Connector description	Connector 2
	Cable entry	angled
	Housing main material	Zinc diecast
	Series	HQ
	Size	6
	Type	Female
	Individual components connector	<a href="#">HDC HQ 4/2 FC HDC C HX BM2.5AG HDC-C-HD-BM2.5AG VG 21 HQ EMV68 11-15.5</a>

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Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	5	Core cross-section	2.5 mm <sup>2</sup>
Halogen	Yes	Insulation	PVC
Line type	Helukabel JZ-500-C black 7G2.5 or similar	Number of wires	7
Outside diameter	12.1 mm	Sheath material	PVC
Sheathing colour	black	Shielded	Yes
Temperature range, moving	-10...80 °C	Temperature range, moving, max.	80 °C
Temperature range, moving, min.	-10 °C	Temperature range, stationary	-40...80 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40 °C

**Classifications**

ETIM 6.0	EC001576	ETIM 7.0	EC001576
ETIM 8.0	EC001576	ETIM 9.0	EC001576
ECLASS 9.0	27-06-04-02	ECLASS 9.1	27-06-91-90
ECLASS 10.0	27-06-04-02	ECLASS 11.0	27-06-04-02
ECLASS 12.0	27-06-04-02	ECLASS 13.0	27-06-04-02

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	1344e4a2-b558-4ad0-95d1-5c6df3fdd75e

**Approvals**

ROHS	Conform
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**Downloads**

Catalogues	<a href="#">Catalogues in PDF-format</a>
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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Angled 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 AWLU	Version
Order No.	<a href="#">1003060000</a>	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).	

**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 HQM ALU CS	Version
Order No.	<a href="#">1251680000</a>	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).	

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## Accessories

Type	HDC HQM ALU	Version
Order No.	<a href="#">1003050000</a>	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard
GTIN (EAN)	4032248697984	
Qty.	1 pc(s).	

## 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**

Crimp connection

## General ordering data

Type	HDC HQ 4/2 MC	Version
Order No.	<a href="#">1003170000</a>	HDC insert, Male, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ
GTIN (EAN)	4032248698165	
Qty.	1 pc(s).	
Type	HDC HQ 4/2 FC	Version
Order No.	<a href="#">1003160000</a>	HDC insert, Female, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ
GTIN (EAN)	4032248698158	
Qty.	1 pc(s).	

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## Accessories

## 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.

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

## 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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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 CS	Version
Order No.	<a href="#">1354950000</a>	HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard
GTIN (EAN)	4050118157215	
Qty.	1 pc(s).	

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## Accessories

Type	HDC HQP ALU	Version
Order No.	<a href="#">1003040000</a>	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).	

## Coupling housing



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

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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.

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 KOLU 1PG16	Version
Order No.	<a href="#">1003120000</a>	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).	