

## CH-HMBC-HMBD-08-0500-AD

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

[www.weidmueller.com](http://www.weidmueller.com)



Product similar to illustration

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 MEGAFLEX 500-C 10G2.5 or similar, Shielded: Yes, Number of poles: 8
Order No.	<a href="#">2712460500</a>
Type	CH-HMBC-HMBD-08-0500-AD
GTIN (EAN)	4050118779585
Qty.	1 items
Delivery status	Discontinued

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Net weight	2099.22 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	8	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	Zinc diecast
	Number of poles	8
	Series	HQ
	Size	HQ
	Type	Pin
	Individual components connector	<a href="#">HDC HQM TOLU 1PG21</a> , <a href="#">HDC HQ 8 MC</a> , <a href="#">HDC-C-HE-SM2.5AG</a> , <a href="#">VG 21 HQ EMV68 14-18</a>
	Connector description	Connector 2
	Cable entry	straight
	Housing main material	Zinc diecast
	Number of poles	8
	Series	HQ
	Size	HQ
	Type	Female
	Individual components connector	<a href="#">HDC HQM TOLU 1PG21</a> , <a href="#">HDC HQ 8 FC</a> , <a href="#">HDC-C-HE-BM2.5AG</a> , <a href="#">VG 21 HQ EMV68 14-18</a>

## Technical specifications for cable

Cable length	5 m	Line type	Helukabel MEGAFLEX 500-C 10G2.5 or similar
Sheathing colour	grey	Core cross-section	2.5 mm <sup>2</sup>
Number of wires	10	Shielded	Yes
Halogen	No	Insulation	Halogen Free Polymer
Temperature range, moving, max.	80 °C	Temperature range, moving, min.	-30 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40 °C
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Sheath material	Halogen Free Polymer	Outside diameter	14 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

## 8-pole



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

## General ordering data

Type	HDC HQ 8 MC	Version	
Order No.	<a href="#">1919970000</a>	HDC insert, Male, 500 V, 16 A, Number of poles: 8, Crimp connection, Installation size: HQ	
GTIN (EAN)	4032248557943		
Qty.	1 ST		
Type	HDC HQ 8 FC	Version	
Order No.	<a href="#">1919980000</a>	HDC insert, Female, 500 V, 16 A, Number of poles: 8, Crimp connection, Installation size: HQ	
GTIN (EAN)	4032248557950		
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.	<a href="#">1003040000</a>	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



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.

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## General ordering data

Type	HDC HQP AWLU	Version
Order No.	<a href="#">1003060000</a>	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.

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## General ordering data

Type	HDC HQP ALU CS	Version
Order No.	<a href="#">1354950000</a>	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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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, 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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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.	<a href="#">1003110000</a>	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	

**Accessories**

**Bulkhead housing**



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**General ordering data**

Type	HDC HQM ALU	Version
Order No.	<a href="#">1003050000</a>	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.	<a href="#">1251680000</a>	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