CH-HGAA-HGAB-10-0500-AE

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

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, Lapp ÖLFLEX® CLASSIC 110 BK 12G1.5 or similar, Shielded: No, Number of poles: 10
Order No.	2712270500
Type	CH-HGAA-HGAB-10-0500-AE
GTIN (EAN)	4050118751161
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Diameter	12 mm	Net weight	1,974 g

Temperatures

Limit temperature	-40 °C ... 80 °C

Technical specifications for cable

Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	5 m	Core cross-section	1.5 mm²
Halogen	Yes	Insulation	PVC
Number of poles	10	Number of wires	12
Sheath material	PVC	Sheathing colour	black
Shielded	No	Temperature range, moving	-15...70 °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	10	Pin arrangement	1:1, numbered cores
Protection degree	IP65	Rated voltage	500 V

Technical Specifications Connector

Connector	Connector description	Connector 1
	Cable entry	straight
	Housing main material	Diecast aluminium
	Number of poles	10
	Series	HE
	Size	4
	Type	Pin
	Individual components connector	HDC 10B TOBU 1M25G HDC HE 10 MP H1,5/14 R VGM25-MS68 11-20 BG
	Connector description	Connector 2
	Cable entry	straight
	Housing main material	Diecast aluminium
	Number of poles	10
	Series	HE
	Size	4
	Type	Female
	Individual components connector	HDC 10B TOBU 1M25G HDC HE 10 FP H1,5/14 R VGM25-MS68 11-20 BG

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Technical data

Technical specifications for cable

Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	5 m	Core cross-section	1.5 mm²
Halogen	Yes	Insulation	PVC
Line type	Lapp ÖLFLEX® CLASSIC 110 BK 12G1.5 or similar	Number of wires	12
Sheath material	PVC	Sheathing colour	black
Shielded	No	Temperature range, moving	-15...70 °C
Temperature range, moving, max.	70 °C	Temperature range, moving, min.	-15 °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
SCIP	81ca46c4-2930-4739-aa54-e07d33c98f2c

Approvals

ROHS	Conform

Downloads

Catalogues	Catalogues in PDF-format

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Accessories

Coupling hood



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.

General ordering data

Type	HDC 10B KBU 1PG16G	Version
Order No.	1654580000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190407407	condition), Coupling housing, Side-locking clamp on lower side,
Qty.	1 pc(s).	Standard, Size of cable entries: PG 16
Type	HDC 10B KBU 1M25G	Version
Order No.	1021250000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248736232	condition), Coupling housing, Side-locking clamp on lower side,
Qty.	1 pc(s).	Standard, Size of cable entries: M 25
Type	HDC 10B KBU 1M20G	Version
Order No.	1787720000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248205066	condition), Coupling housing, Side-locking clamp on lower side,
Qty.	1 pc(s).	Standard, Size of cable entries: M 20

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Accessories

Base housing



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General ordering data

Type	HDC 10B SBU 1M20G	Version
Order No.	1901360000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248588237	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: M 20
Type	HDC 10B SBU 1PG16G	Version
Order No.	1654370000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190407193	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: PG 16
Type	HDC 24D SBU 2M32G	Version
Order No.	1787360000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248204700	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: M 32
Type	HDC 24D SBU 1M25G	Version
Order No.	1903210000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248592999	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: M 25
Type	HDC 24D SBU 2M25G	Version
Order No.	1787350000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248204694	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: M 25
Type	HDC 10B SBU 2PG16G	Version
Order No.	1654380000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190407209	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: PG 16
Type	HDC 24D SBU 1PG29G	Version
Order No.	1654470000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190407292	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: PG 29
Type	HDC 10B SBU 2M20G	Version
Order No.	1787640000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248204984	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: M 20

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Accessories

Type	HDC 10B SBU 2M25G	Version
Order No.	1787630000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248204977	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: M 25
Type	HDC 24D SBU 1M32G	Version
Order No.	1903220000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248588183	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: M 32
Type	HDC 24D SBU 2PG21G	Version
Order No.	1654450000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190407278	condition), Base housing, Side-locking clamp on lower side, high, Size
Qty.	1 pc(s).	of cable entries: PG 21
Type	HDC 10B SBU 1M25G	Version
Order No.	1901370000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248588244	condition), Base housing, Side-locking clamp on lower side, Standard,
Qty.	1 pc(s).	Size of cable entries: M 25

Bulkhead 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 10B ABU N	Version
Order No.	2488580000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4050118541519	condition), Bulkhead housing, Side-locking clamp on lower side,
Qty.	1 pc(s).	Standard
Type	HDC 10B ABU	Version
Order No.	1205000000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190872960	condition), Bulkhead housing, Side-locking clamp on lower side, Side-
Qty.	1 pc(s).	locking clamp not replaceable, Standard

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Accessories

Size 4



The PUSH IN connection is a direct-insert method of connection. The preprocessed wire can be inserted directly into the wire connection without the need for any tools.
Number of poles: **10**
Rated current: **16 A**
Rated voltage: **500 V**
Nominal voltage acc. to UL/CSA: **600 V AC/DC**
PUSH IN technology

General ordering data

Type	HDC HE 10 FP	Version
Order No.	1873540000	HDC insert, Female, 500 V, 16 A, Number of poles: 10, PUSH IN, Size:
GTIN (EAN)	4032248458158	4
Qty.	1 pc(s).	

Type	HDC HE 10 MP	Version
Order No.	1873550000	HDC insert, Male, 500 V, 16 A, Number of poles: 10, PUSH IN, Size: 4
GTIN (EAN)	4032248458165	
Qty.	1 pc(s).	

Cover



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General ordering data

Type	HDC 10B DMDQ 2QB	Version
Order No.	1665240000	HDC enclosures, Size: 4, Protection degree: IP65 (in plugged
GTIN (EAN)	4008190421946	condition), Cover for upper part of housing, Side-locking clamp on
Qty.	1 pc(s).	lower side, Standard