

**HDC insert
HDC HD 8 MC**

Weidmüller Interface GmbH & Co. KG
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The HD range features a high density of contacts. It is thus optimally suited for signal processing.
The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades.
Crimp contacts are not delivered with the inserts.
Number of poles: **7 - 8**
Rated current: **10 A**
Rated voltage: **42/250 V**
Nominal voltage acc. to UL/CSA: **600 V AC/DC**
Crimp connection

General ordering data

Order No.	1650590000
Type	HDC HD 8 MC
Version	HDC insert, Male, 250 V, 10 A, No. of poles: 8, Crimp connection, Size: 1
GTIN (EAN)	4008190299262
Qty.	1 pc(s).

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Technical data

Dimensions

Length	21 mm	Width	21 mm
Height	34 mm	Net weight	10 g

Dimensions

Height of plug	34 mm	Total length base	21 mm
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General data

Size	1	Series	HD
Rated voltage (DIN EN 61984)	250 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	4 kV	Rated current (DIN EN 61984)	10 A
Flammability class UL 94	V-0	Insulating material group	IIIa
Insulation resistance	10 ¹⁰ Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
No. of poles	8	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Pollution severity	3
Type	Male		

Connection data PE

Stripping length PE connection	10 mm	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Connection type PE	Screw connection
Tightening torque, min. PE connection	1.2 Nm	Tightening torque, max. PE connection	1.5 Nm
Rated cross-section	2.5 mm ²	Fixing screw	M 4
Blade size, crosshead	PZ1 size	Blade size, slotted (PE connection)	SD 0,6 x 3,5, SD 0,8 x 4,0

Rating data

Rated current (DIN EN 61984)	10 A	Rated impulse voltage (DIN EN 61984)	4 kV
Rated voltage (DIN EN 61984)	250 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	8 mm	Type of connection	Crimp connection
Size	1	Volume resistance	≤ 4mΩ
Surface finish	Silver passivated, gold	Material	Copper alloy

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Technical data

Classifications

ETIM 2.0	EC001121	ETIM 3.0	EC001121
UNSPSC	30-21-18-01	eClass 4.1	27-14-08-05
eClass 5.1	27-14-34-19	eClass 6.0	27-26-12-04
eClass 7.0	27-44-02-05		

Product information

Descriptive text ordering data	Reduce the voltage to 42 V when using metal housings
Descriptive text technical data	HD 8 insert without protective earth connection
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K
Description of article	For turned contacts
Product description	For turned contacts

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Accessories

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip



General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9008390000	SDIS 0.6X3.5X100	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056354	1 pc(s).
9008400000	SDIS 0.8X4.0X100	Screwdriver, Blade width (B): 4 mm, Blade length: 100 mm, Blade thickness (A): 0.8 mm	4032248056361	1 pc(s).

Crimp contacts HD



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1651650000	HDC-C-HD-SM1.5AU	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 1.5, turned, Copper alloy	4008190400323	100 pc(s).
1651660000	HDC-C-HD-SM2.5AU	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 2.5, turned, Copper alloy	4008190400330	100 pc(s).
1651620000	HDC-C-HD-SM0.14-0.37AU	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor	4008190400293	100 pc(s).

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Accessories

	cross-section, max.: 0.37, turned, Copper alloy	
1651520000 HDC-C-HD-SM0.14-0.37AG	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 0.37, turned, Copper alloy	4008190400194 100 pc(s).
1601750000 HDC-C-HD-SM0.75-1.00AG	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 1, turned, Copper alloy	4008190134280 100 pc(s).
1651640000 HDC-C-HD-SM0.75-1.00AU	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 1, turned, Copper alloy	4008190400316 100 pc(s).
1651560000 HDC-C-HD-SM2.5AG	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 2.5, turned, Copper alloy	4008190400231 100 pc(s).
1651550000 HDC-C-HD-SM1.5AG	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 1.5, turned, Copper alloy	4008190400224 100 pc(s).
1651630000 HDC-C-HD-SM0.5AU	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 0.5, turned, Copper alloy	4008190400309 100 pc(s).
1651530000 HDC-C-HD-SM0.5AG	Heavy Duty Connectors, Contact, HD, HDD, HQ, MixMate, CM 10, CM BUS (CSB), Male, Conductor cross-section, max.: 0.5, turned, Copper alloy	4008190400200 100 pc(s).

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Accessories
Non-contact tools


Weidmüller offers a variety of crimping tools, no-contact tools, and fibre optic tools.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1866730000	REMOVAL TOOL HD	Heavy Duty Connectors, Tools, Contact removal tool	4032248437054	1 pc(s).

... for milled contacts

Crimping tools for turned contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9205430000	CTIN CM 1.6/2.5	Crimping tool for contacts, Turned contacts, Crimping range, min.: 0.14, 4-indent crimp	4032248733446	1 pc(s).

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Accessories
Crosshead screwdriver Pozidriv

VDE insulated crosshead screwdriver type Pozidriv SDIK PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ, SoftFinish grip


General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9008900000	SDIK PZ1	Screwdriver, Blade length: 80 mm	4032248266685	1 pc(s).

Tools

Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.


General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9008330000	SDS 0.6X3.5X100	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm	4032248056286	1 pc(s).

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Accessories

Crimping tools



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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9018490000	CTX CM 1.6/2.5	Crimping tool for contacts, Turned contacts, Crimping range, min.: 0.14, W crimp	4008190884598	1 pc(s).

Screwdrivers



Always the right tools:

Weidmüller screwdrivers are the result of a consistent grip concept which takes into account both the human hand and the different requirements when working. The right blade for every screw - with four different handle sizes

The advantages are obvious:

- User-friendly: ergonomic handle arrangement for effortless working progress
- Optimised connections: compatible blade and perfect handle size for maximum torque
- Reliable: even easier operation for even quicker wiring

The result: efficient, professional working progress.

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
9008340000	SDS 0.8X4.0X100	Screwdriver, Blade width (B): 4 mm, Blade length: 100 mm, Blade thickness (A): 0.8 mm	4032248056293	1 pc(s).

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Accessories**Crosshead screwdriver Pozidriv**

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
9008530000	SDK PZ1	Screwdriver, Blade length: 80 mm	4032248056521	1 pc(s).