

**HDC HDD 108 MC 109-216**

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

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



The HDD series with machined crimp contacts is designed for high pole counts in tight spaces. Thanks to the smaller design, you can save installation space during without having to limit the number of poles.

The wire connection level is designed for crimp contacts. The proven crimp connection method has been in standard use for decades. Crimp contacts are not included in the scope of delivery of inserts.

**General ordering data**

Version	HDC insert, Male, 250 V, 10 A, Number of poles: 108, Crimp connection, Installation size: 8
Order No.	<a href="#">1651280000</a>
Type	HDC HDD 108 MC 109-216
GTIN (EAN)	4008190299880
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E92202

**Dimensions and weights**

Depth	111 mm	Depth (inches)	4.3701 inch
Height	35 mm	Height (inches)	1.378 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	68 g		

**Temperatures**

Limit temperature	-40 °C ... 125 °C
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**Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd

Chemical resistance	Substance	Acetone
	Chemical resistance	Resistant
	Substance	Ammonia, watery
	Chemical resistance	Conditionally resistant
	Substance	Petrol
	Chemical resistance	Resistant
	Substance	Benzene
	Chemical resistance	Resistant
	Substance	Diesel oil
	Chemical resistance	Conditionally resistant
	Substance	Acetic acid, concentrated
	Chemical resistance	Resistant
	Substance	Potassium hydroxide
	Chemical resistance	Conditionally resistant
	Substance	Methanol
	Chemical resistance	Conditionally resistant
	Substance	Motor oil
	Chemical resistance	Conditionally resistant
	Substance	Lye, diluted
	Chemical resistance	Resistant
Substance	Hydrochlorofluorocarbons	
Chemical resistance	Conditionally resistant	
Substance	Outdoor use	
Chemical resistance	Conditionally resistant	

**Dimensions**

Width	34 mm	Total length base	111 mm
Height of plug	35 mm		

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## Technical data

## General data

Number of poles	108		
Plugging cycles, silver	≥ 500		
Plugging cycles, gold	≥ 500		
Type of connection	Crimp connection		
Installation size	8		
UL 94 flammability rating	V-0		
Volume resistance	≤4 mΩ		
Colour	beige		
Insulation resistance	1010 Ω		
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)		
Insulating material group	IIIa		
Conductor cross-section	2.5 mm <sup>2</sup>		
Tightening torque, max. PE connection	1.5 Nm		
Type	Male		
Pollution severity	3		
Tightening torque, min. PE connection	1.2 Nm		
Basic material	Copper alloy		
Series	HDD		
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		
Rated current (UR)	Wire connection cross section AWG	AWG 14	
	Rated current	10 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	7 A	
	Wire connection cross section AWG	AWG 18	
	Rated current	7 A	
	Wire connection cross section AWG	AWG 20	
	Rated current	2.75 A	
	Wire connection cross section AWG	AWG 22	
	Rated current	2.75 A	
	Wire connection cross section AWG	AWG 24	
	Rated current	2.75 A	
	Rated current (cUR)	Wire connection cross section AWG	AWG 14
		Rated current	6 A
		Wire connection cross section AWG	AWG 16
		Rated current	3.5 A
Wire connection cross section AWG		AWG 18	
Rated current		3.5 A	
Wire connection cross section AWG		AWG 20	
Rated current		1.47 A	
Wire connection cross section AWG		AWG 22	
Rated current		1.47 A	
Wire connection cross section AWG	AWG 24		
Rated current	1.47 A		
Free from halogens	true		
Low smoke acc. DIN EN 45545-2	Yes		
BG	8		
Number of signal contacts	0		
Number of power contacts	108		

## Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.6 x 3.5, SD 0.8 x 4.0
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm

Creation date 02.03.2026 04:04:41 MEZ

Catalogue status / Drawings

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## Technical data

Tightening torque, min. PE connection	1.2 Nm	Fixing screw	M 4
Rated cross-section	2.5 mm <sup>2</sup>	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 14		

### Version

Wire connection cross section AWG, max.	AWG 14	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Installation size	8
Volume resistance	≤4 mΩ	Wire connection cross section AWG, min.	AWG 26
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>	Wire cross-section, solid, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>
Conductor cross-section, max.	2.05 mm <sup>2</sup>	Conductor cross-section, min.	0.14 mm <sup>2</sup>
Basic material	Copper alloy	BG	8

### Classifications

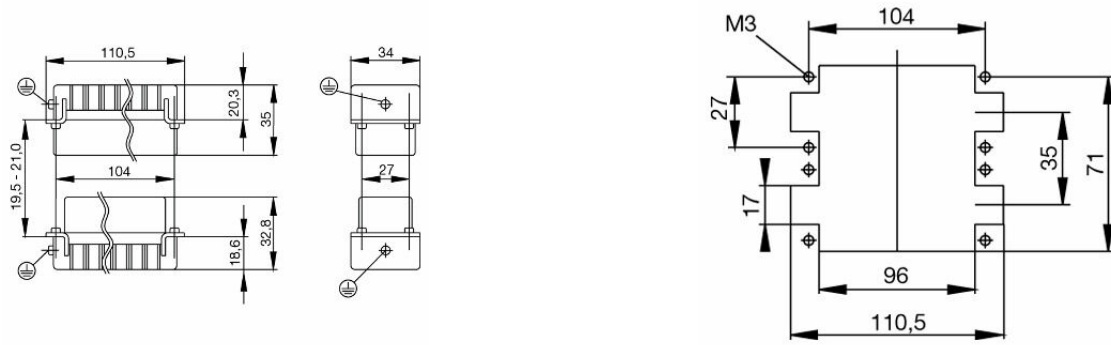
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

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**Accessories**

**DSTV**



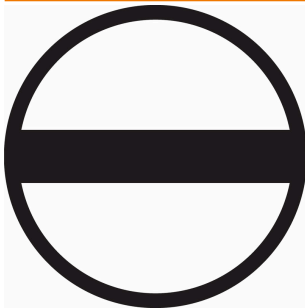
Various accessories are available for our inserts. This includes coding elements for the inserts.

**General ordering data**

Type	DSTV COST4	Version
Order No.	<a href="#">1471300000</a>	Heavy-duty connectors, Accessories, Coding System
GTIN (EAN)	4008190017354	
Qty.	100 ST	

Type	DSTV COBU5	Version
Order No.	<a href="#">1471500000</a>	Heavy-duty connectors, Accessories, Coding element
GTIN (EAN)	4008190178543	
Qty.	100 ST	

**Slotted screwdriver**



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

**General ordering data**

Type	SDIS 0.6X3.5X100	Version
Order No.	<a href="#">9008390000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	

Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">9008330000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	

Type	SDIS 0.8X4.0X100	Version
Order No.	<a href="#">9008400000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056361	
Qty.	1 ST	

Type	SDS 0.8X4.0X100	Version
Order No.	<a href="#">9008340000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056293	
Qty.	1 ST	

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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

Type	SDIK PZ 1	Version	
Order No.	<a href="#">9008900000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248266685		
Qty.	1 ST		
Type	SDK PZ 1	Version	
Order No.	<a href="#">9008530000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056521		
Qty.	1 ST		

## Crimping tools



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

Type	CTX CM 1.6/2.5	Version	
Order No.	<a href="#">9018490000</a>	Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 4mm <sup>2</sup> , W crimp	
GTIN (EAN)	4008190884598		
Qty.	1 ST		
Type	CTIN CM 1.6/2.5	Version	
Order No.	<a href="#">9205430000</a>	Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 6mm <sup>2</sup> , 4-indent crimp	
GTIN (EAN)	4032248733446		
Qty.	1 ST		

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## Accessories

### Contact removal tools



Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

#### General ordering data

Type	REMOVAL TOOL HD	Version	
Order No.	<a href="#">1866730000</a>	Tools, Contact Removal Tool	
GTIN (EAN)	4032248437054		
Qty.	1 ST		

### 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

Type	HDC-C-HD-SM0.14-0.37AG	Version	
Order No.	<a href="#">1651520000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,	
GTIN (EAN)	4008190400194	Conductor cross-section, max.: 0.37, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-HD-SM0.5AG	Version	
Order No.	<a href="#">1651530000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,	
GTIN (EAN)	4008190400200	Conductor cross-section, max.: 0.5, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-HD-SM0.75-1.00AG	Version	
Order No.	<a href="#">1601750000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,	
GTIN (EAN)	4008190134280	Conductor cross-section, max.: 1, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-HD-SM1.5AG	Version	
Order No.	<a href="#">1651550000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,	
GTIN (EAN)	4008190400224	Conductor cross-section, max.: 1.5, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-HD-SM2.5AG	Version	
Order No.	<a href="#">1651560000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,	
GTIN (EAN)	4008190400231	Conductor cross-section, max.: 2.5, turned, Copper alloy	
Qty.	100 ST		

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## Accessories

Type	HDC-C-HD-SM0.14-0.37AU	Version
Order No.	<a href="#">1651620000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400293	Conductor cross-section, max.: 0.37, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM0.5AU	Version
Order No.	<a href="#">1651630000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400309	Conductor cross-section, max.: 0.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM0.75-1.00AU	Version
Order No.	<a href="#">1651640000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400316	Conductor cross-section, max.: 1, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM1.5AU	Version
Order No.	<a href="#">1651650000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400323	Conductor cross-section, max.: 1.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM2.5AU	Version
Order No.	<a href="#">1651660000</a>	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400330	Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 ST	