

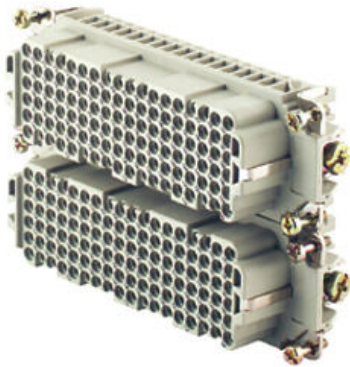
**HDC HDD 108 FC 109-216****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Female, 250 V, 10 A, Number of poles: 108, Crimp connection, Installation size: 8
Order No.	<a href="#">1651300000</a>
Type	HDC HDD 108 FC 109-216
GTIN (EAN)	4008190299903
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	76 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 socket	33 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	Female		
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

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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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Drawings

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