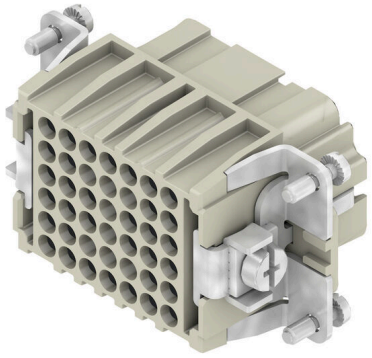
Data sheet

HDC HDD 8 FC IN 1500

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

www.weidmueller.com

Product image



HDD series – 10 A, 250 V, 1500 V to PE
The HDD inserts 1500 V to PE were developed for applications requiring voltages of up to 1500 V to PE. All other rated data remain unchanged.
The HDD series with turned crimp contacts is designed for high pole counts in confined spaces. The smaller design saves users space during installation without having to limit the number of poles.
The conductor connection level is designed as a crimp contact. The proven crimp connection technology has been in use for decades. Crimp contacts are not included in the scope of delivery of the inserts.

General ordering data

Version	HDC insert, Female, 250 V, 10 A, Number of poles: 8, Crimp connection, Installation size: 4
Order No.	3227840000
Type	HDC HDD 8 FC IN 1500
Qty.	

HDC HDD 8 FC IN 1500

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Technical data

Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	35.5 mm	Height (inches)	1.3976 inch
Width	34 mm	Width (inches)	1.3386 inch
Length	110.5 mm	Length (inches)	4.3504 inch

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

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	110.5 mm
Socket height	35.5 mm		

General data

Number of poles	8
Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500
Type of connection	Crimp connection
Installation size	4
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 mm²

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Technical data

Tightening torque (PE connection), max.	1.5 Nm	
Type	Female	
Pollution severity	3	
Tightening torque (PE connection), min.	1.2 Nm	
Basic material	Copper alloy	
Series	HDD	
Rated voltage (DIN EN 61984)	250 V	
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 voltage (conductor / PE) (III/3)	1500 V	
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
	Rated current	1.47 A
	Wire connection cross section AWG	AWG 24
	Rated current	1.47 A
Requirement set with hazard levels acc. to EN 45545-2	R22 (HL 1-3), R23 (HL 1-3)	
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	4	
Number of signal contacts	0	
Number of power contacts	8	

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 (PE connection), max.	1.5 Nm
Tightening torque (PE connection), min.	1.2 Nm	Fixing screw	M 4
Rated cross-section	2.5 mm²	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	4

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Technical data

Volume resistance	≤4 mΩ	Wire connection cross section AWG, min.	AWG 26
Wire cross-section, solid, max.	2.5 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire connection cross-section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Conductor cross-section, max.	2.05 mm²	Conductor cross-section, min.	0.14 mm²
Basic material	Copper alloy	BG	4

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		

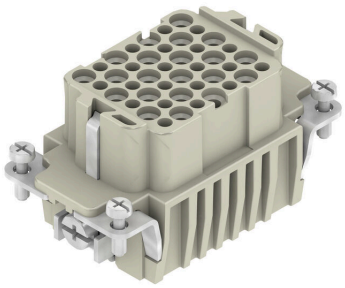
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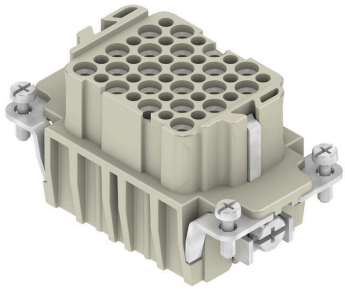
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Drawings

Product image



Product image



Drawing

