HDC HDD 72 MC

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. Users save installation space with the smaller design, without having to limit the number of poles.
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: **72**
Rated current: **10 A**
Rated voltage: **250 V**
Nominal voltage acc. to UL/CSA: **600 V AC/DC**
Crimp connection

General ordering data

Version	HDC insert, Male, 250 V, 10 A, Number of poles: 72, Crimp connection, Size: 6
Order No.	1651190000
Type	HDC HDD 72 MC
GTIN (EAN)	4008190299798
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.327 inch
Height	33 mm	Height (inches)	1.299 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	55 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Dimensions

Height of plug	35 mm	Total length base	84.5 mm
Width	34 mm		

General data

BG	6	
Colour	beige	
Conductor cross-section	2.5 mm²	
Free from halogens	true	
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	
Insulating material group	IIIa	
Insulation strength	10^{10} Ω	
Low smoke acc. DIN EN 45545-2	Yes	
Material	Copper alloy	
Number of poles	72	
Plugging cycles, gold	≥ 500	
Plugging cycles, silver	≥ 500	
Pollution severity	3	
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

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Technical data

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
Series	HDD
Size	6
Type	Male
Type of connection	Crimp connection
UL 94 flammability rating	V-0
Volume resistance	≤4 mΩ

Connection data PE

Blade size, slotted (PE connection)	SD 0.6 x 3.5, SD 0.8 x 4.0	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	2.5 mm²
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	1.2 Nm	Wire cross section, AWG (PE), max.	AWG 14
Wire cross section, AWG (PE), min.	AWG 20		

Version

BG	6	Conductor cross-section, max.	2.05 mm²
Conductor cross-section, min.	0.14 mm²	Material	Copper alloy
Size	6	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Volume resistance	≤4 mΩ
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Wire cross-section, solid, max.	2.5 mm²	Wire cross-section, solid, min.	0.5 mm²

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ECLASS 9.0	27-44-02-05	ECLASS 9.1	27-44-02-05
ECLASS 10.0	27-44-02-05	ECLASS 11.0	27-44-02-05
ECLASS 12.0	27-44-02-05	ECLASS 13.0	27-44-02-05
ECLASS 14.0	27-44-02-05		

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

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Technical data

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

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	de.myview.objectmodel.impl.BlockImpl@3a87d08b de.myview.objectmodel.impl.BlockImpl@3b08a164 de.myview.objectmodel.impl.BlockImpl@4a66766b de.myview.objectmodel.impl.BlockImpl@d0375d5 de.myview.objectmodel.impl.BlockImpl@904ef76 de.myview.objectmodel.impl.BlockImpl@77797cb3 de.myview.objectmodel.impl.BlockImpl@ed59919 de.myview.objectmodel.impl.BlockImpl@18eef8cb de.myview.objectmodel.impl.BlockImpl@363fdbff de.myview.objectmodel.impl.BlockImpl@a9fb56f de.myview.objectmodel.impl.BlockImpl@28a0e874 de.myview.objectmodel.impl.BlockImpl@47e7750b

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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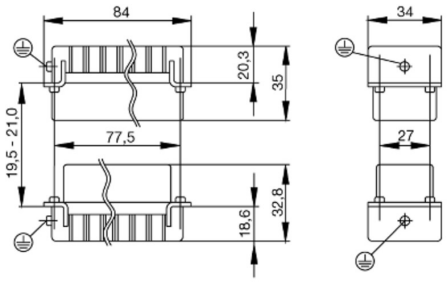
Drawings