Data sheet

HDC HD 7 MC

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

www.weidmueller.com

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

General ordering data

Version	HDC insert, Male, 250 V, 10 A, Number of poles: 7, Crimp connection, Installation size: 1
Order No.	1650570000
Type	HDC HD 7 MC
GTIN (EAN)	4008190870942
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Depth	21 mm	Depth (inches)	0.8268 inch
Height	34 mm	Height (inches)	1.3386 inch
Width	21 mm	Width (inches)	0.8268 inch
Net weight	10 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption	
RoHS Exemption (if applicable/known)	6c	
REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3	
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2	
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	21 mm	Total length base	21 mm
Height of plug	34 mm		

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Technical data

General data

Number of poles	7	
Plugging cycles, silver	≥ 500	
Plugging cycles, gold	≥ 500	
Type of connection	Crimp connection	
Installation size	1	
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	
Type	Male	
Pollution severity	3	
Basic material	Copper alloy	
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	
Rated current (UR)	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 16
	Rated current	12 A
	Wire connection cross section AWG	AWG 18
	Rated current	8 A
	Wire connection cross section AWG	AWG 20
	Rated current	8 A
Rated current (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 16
	Rated current	12 A
	Wire connection cross section AWG	AWG 18
	Rated current	8 A
	Wire connection cross section AWG	AWG 20
	Rated current	8 A
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	1	
Number of signal contacts	0	
Number of power contacts	7	

Connection data PE

Connection type PE	Screw connection	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	1
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

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Technical data

Wire connection cross section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Conductor cross-section, max.	2.5 mm²	Conductor cross-section, min.	0.14 mm²
Basic material	Copper alloy	BG	1

Important note

Product information	Kann nur in Kunststoffgehäusen verwendet werden. Can only be used in plastic housings.

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