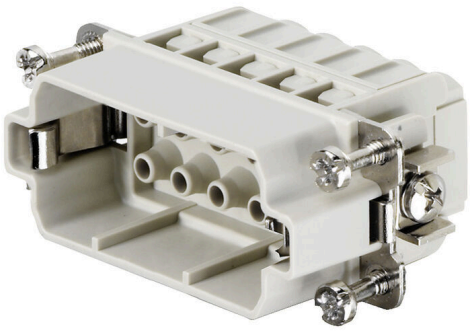
Data sheet

HDC HA 10 MC

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

www.weidmueller.com



The small and thin HA series can be used wherever space is limited.
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.
Pole count: 10
Rated current: 22 A
Rated voltage 250 V
Nominal voltage acc. to UL/CSA: 600 V AC/DC

General ordering data

Version	HDC insert, Male, 250 V, 16 A, Number of poles: 10, Crimp connection, Installation size: 2
Order No.	1873870000
Type	HDC HA 10 MC
GTIN (EAN)	4032248458387
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	56.6 mm	Depth (inches)	2.2283 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	23 mm	Width (inches)	0.9055 inch
Net weight	28 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	23 mm	Total length base	56.6 mm
Height of plug	29 mm		

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General data

Number of poles	10	
Plugging cycles, silver	≥ 500	
Plugging cycles, gold	≥ 500	
Type of connection	Crimp connection	
Installation size	2	
UL 94 flammability rating	V-0	
Volume resistance	≤2 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	
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	HA	
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)	16 A	
Rated current (UR)	Wire connection cross section AWG	AWG 12
	Rated current	20 A
	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 16
	Rated current	10 A
	Wire connection cross section AWG	AWG 18
	Rated current	7 A
	Wire connection cross section AWG	AWG 20
	Rated current	5 A
Rated current (cUR)	Wire connection cross section AWG	AWG 12
	Rated current	19 A
	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	2	
Number of signal contacts	0	
Number of power contacts	10	

Connection data PE

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

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Technical data

Version

Wire connection cross section AWG, max.	AWG 12	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Installation size	2
Volume resistance	≤2 mΩ	Wire connection cross section AWG, min.	AWG 20
Wire cross-section, solid, max.	2.5 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, 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.	4 mm²	Conductor cross-section, min.	0.5 mm²
Basic material	Copper alloy	BG	2

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