

HDC HA 16 MT 33-48**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



The small and slim HA series can be used wherever space is limited.

The wire connection level is designed as a tension clamp element. As a result, it is virtually maintenance-free and a safe, permanent and vibration-proof connection is established.

General ordering data

Version	HDC insert, Male, 250 V, 16 A, Number of poles: 16, Tension-clamp connection, Installation size: 5
Order No.	1896850000
Type	HDC HA 16 MT 33-48
GTIN (EAN)	4032248592456
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Depth	73 mm	Depth (inches)	2.874 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	23 mm	Width (inches)	0.9055 inch
Net weight	57 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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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	73 mm
Height of plug	29 mm		

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Number of poles	16	
Plugging cycles, silver	≥ 500	
Plugging cycles, gold	≥ 500	
Type of connection	Tension-clamp connection	
Installation size	5	
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 mm ²	
Tightening torque, max. PE connection	1.5 Nm	
Surface finish	Silver passivated	
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 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 14
	Rated current	14.5 A
	Wire connection cross section AWG	AWG 16
	Rated current	11.5 A
	Wire connection cross section AWG	AWG 18
	Rated current	9.5 A
	Wire connection cross section AWG	AWG 20
Rated current	7.4 A	
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	5	
Number of signal contacts	0	
Number of power contacts	16	

Connection data PE

Connection type PE	Screw 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 mm ²	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 14		

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Version

Blade size, slotted (screw connection)	SD 0.5 x 3.0	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	8 mm	Type of connection	Tension-clamp connection
Installation size	5	Volume resistance	≤2 mΩ
Wire connection cross section AWG, min.	AWG 24	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²	Conductor cross-section, max.	2.5 mm ²
Conductor cross-section, min.	0.25 mm ²	Surface finish	Silver passivated
Basic material	Copper alloy	BG	5

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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