

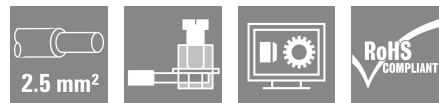
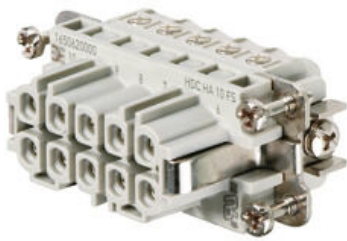
HDC HA 10 FS**Weidmüller Interface GmbH & Co. KG**

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 screw element. All screw connection elements are equipped with wire protection (with the exception of size 1).

Pole count: 10

Rated current: 16 A

Rated voltage: 250 V

Rated voltage acc. to UL/CSA: 600 V AC/DC

General ordering data

Version	HDC insert, Female, 250 V, 16 A, Number of poles: 10, Screw connection, Installation size: 2
Order No.	1650620000
Type	HDC HA 10 FS
GTIN (EAN)	4008190299293
Qty.	1 items

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	56.6 mm	Depth (inches)	2.2283 inch
Height	31.1 mm	Height (inches)	1.2244 inch
Width	23 mm	Width (inches)	0.9055 inch
Net weight	44 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 socket	31.1 mm		

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Technical data

General data

Number of poles	10		
Plugging cycles, silver	≥ 500		
Plugging cycles, gold	≥ 500		
Type of connection	Screw 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 mm ²		
Tightening torque, max. PE connection	1.5 Nm		
Surface finish	Silver passivated		
Max. torque for main contact	0.55 Nm		
Type	Female		
Pollution severity	3		
Tightening torque, min. PE connection	1.2 Nm		
Basic material	Copper alloy		
Min. torque for main contact	0.5 Nm		
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	18.7 A
Wire connection cross section AWG		AWG 14	
Rated current		14.5 A	
Wire connection cross section AWG		AWG 16	
Rated current		10.5 A	
Wire connection cross section AWG		AWG 18	
Rated current		10 A	
Wire connection cross section AWG		AWG 20	
Rated current		7.5 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	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

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Technical data

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		

Version

Blade size, slotted (screw connection)	SD 0.6 x 3.5	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Installation size	2	Volume resistance	≤2 mΩ
Clamping screw	M 3	Blade size	size PH0
Wire connection cross section AWG, min.	AWG 20	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.	0.5 mm ²	Surface finish	Silver passivated
Max. torque for main contact	0.55 Nm	Basic material	Copper alloy
Min. torque for main contact	0.5 Nm	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		

Drawings

