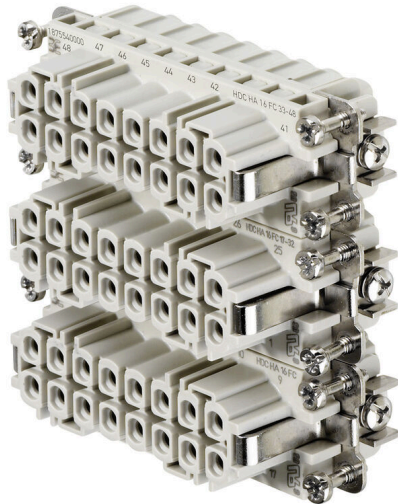


HDC HA 16 FC 33 - 48

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 for crimp contacts. The proven crimp connection method has been in standard use for decades.

Crimp contacts are not included in the scope of delivery of inserts.

General ordering data

Version	HDC insert, Female, 250 V, 16 A, Number of poles: 16, Crimp connection, Installation size: 5
Order No.	1875540000
Type	HDC HA 16 FC 33 - 48
GTIN (EAN)	4032248465774
Qty.	1 items
Delivery status	Discontinued
Available until	2026-02-05T00:00:00+01:00

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	73 mm	Depth (inches)	2.874 inch
Height	31.1 mm	Height (inches)	1.2244 inch
Width	23 mm	Width (inches)	0.9055 inch
Net weight	30.8 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	73 mm
Height of socket	31.1 mm		

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Technical data

General data

Number of poles	16	
Plugging cycles, silver	≥ 500	
Plugging cycles, gold	≥ 500	
Type of connection	Crimp 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	
Type	Female	
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
Rated current (cUR)	Wire connection cross section AWG	AWG 20
	Rated current	5 A
	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	5	
Number of signal contacts	0	
Number of power contacts	16	

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 mm ²	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	5
Volume resistance	≤2 mΩ	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.	4 mm ²	Conductor cross-section, min.	0.5 mm ²
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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