

HDC insert HDC HA 16 MS 33-48

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

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Pole count: 48

Rated current: 16 A

Rated voltage 250 V

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

Screw connection

General ordering data

Type	HDC HA 16 MS 33-48
Order No.	1650990000
Version	HDC insert, Male, 250 V, 16 A, No. of poles: 16, Screw connection, Size: 5
GTIN (EAN)	4008190299613
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	73 mm	Width	23 mm
Height	29 mm	Net weight	71 g

Dimensions

Height of plug	29 mm	Total length base	73 mm
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General data

Size	5	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
UL 94 flammability rating	V-0	Insulating material group	IIIa
Insulation resistance	10 ¹⁰ Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Conductor cross-section	2.5 mm ²	No. of poles	16
Plugging cycles, silver	≥ 500	Operating temperature range, min.	-40 °C
Operating temperature range, max.	125 °C	Pollution severity	3
Type	Male		

Connection data PE

Stripping length PE connection	10 mm	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Connection type PE	Screw connection
Tightening torque, min. PE connection	1.2 Nm	Tightening torque, max. PE connection	1.5 Nm
Rated cross-section	2.5 mm ²	Fixing screw	M 4
Blade size, crosshead	size PH1	Blade size, slotted (PE connection)	SD 0.8 x 4.0

Rating data

Rated current (DIN EN 61984)	16 A	Rated impulse voltage (DIN EN 61984)	4 kV
Rated voltage (DIN EN 61984)	250 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Min. torque for main contact	0.5 Nm	Max. torque for main contact	0.55 Nm
Size	5	Volume resistance	≤ 2mΩ
Clamping screw	M 3	Blade size	size PH0
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Surface finish	Silver passivated
Material	Copper alloy		

Data sheet

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Classifications

ETIM 3.0	EC001121	UNSPSC	30-21-18-01
eClass 5.1	27-14-34-19	eClass 6.2	27-26-12-04
eClass 7.1	27-44-02-05		

Product information

Descriptive text ordering data	To complete the assembly of the plug-in connector, three inserts are required
Descriptive text technical data	Rated voltage 320 V / 4 kV at pollution degree 2
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



ROHS	Conform
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Downloads

PDF	1650990000_HDC_HA_16_MS_33-48_STP_Blatt_1.pdf
IGES	1650990000_HDC_HA_16_MS_33-48_STP.igs
VRML	1650990000_HDC_HA_16_MS_33-48_STP.wrl
3-D model	

Data sheet**HDC insert
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Drawings