

## HDC insert HDC HE 10 FS

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For the screw connection, 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).

Number of poles: **10**

Rated current: **16 A**

Rated voltage: **500 V**

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

Screw connection

### General ordering data

Type	HDC HE 10 FS
Order No.	<a href="#">1204100000</a>
Version	HDC insert, Female, 500 V, 16 A, No. of poles: 10, Screw connection, Size: 4
GTIN (EAN)	4008190170172
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Length	64 mm	Width	34 mm
Height	35.2 mm	Net weight	70 g

**Dimensions**

Height of socket	35.2 mm	Total length base	64 mm
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**General data**

Size	4	Series	HE
Rated voltage (DIN EN 61984)	500 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	6 kV	Rated current (DIN EN 61984)	16 A
UL 94 flammability rating	V-0	Insulating material group	IIIa
Insulation resistance	10 <sup>10</sup> Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Conductor cross-section	2.5 mm <sup>2</sup>	No. of poles	10
Plugging cycles, silver	≥ 500	Operating temperature range, min.	-40 °C
Operating temperature range, max.	125 °C	Pollution severity	3
Type	Female		

**Connection data PE**

Stripping length PE connection	10 mm	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	4 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 14	Wire cross-section, solid, min.	0.5 mm <sup>2</sup>
Wire cross-section, solid, max.	4 mm <sup>2</sup>	Connection type PE	Screw connection
Tightening torque, min. PE connection	1.2 Nm	Tightening torque, max. PE connection	1.5 Nm
Rated cross-section	4 mm <sup>2</sup>	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)	6 kV
Rated voltage (DIN EN 61984)	500 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	4	Volume resistance	≤ 2mΩ
Clamping screw	M 3	Blade size	size PZO
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Surface finish	Silver passivated
Material	Copper alloy		

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**Technical data**

**Classifications**

ETIM 2.0	EC001121	ETIM 3.0	EC001121
UNSPSC	30-21-18-01	eClass 4.1	27-14-08-05
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 technical data	Rated voltage 630 V / 6 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	<a href="#">1204100000_HDC_HE_10_FS_STP_Blatt_1.pdf</a>
IGES	<a href="#">1204100000_HDC_HE_10_FS_STP.igs</a>
VRML	<a href="#">1204100000_HDC_HE_10_FS_STP.wrl</a>
<a href="#">3-D model</a>	

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**Drawings**