

## HDC insert HDC HE 16 FT 17-32

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For the tension clamp connection, the wire connection level is designed as a tension clamp element. Thus practically no servicing is required. In addition, a secure and permanent connection is established which is resistant to vibrations.

Number of poles: **32**

Rated current: **16 A**

Rated voltage: **500 V**

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

Tension clamp connection

### General ordering data

Type	HDC HE 16 FT 17-32
Order No.	<a href="#">1745800000</a>
Version	HDC insert, Female, 500 V, 16 A, No. of poles: 16, Tension clamp connection, Size: 6
GTIN (EAN)	4008190985523
Qty.	1 pc(s).

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

Length	84.5 mm	Width	34 mm
Height	33 mm	Net weight	83 g

**Dimensions**

Height of socket	33 mm	Total length base	84.5 mm
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**General data**

Size	6	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	16
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 24
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 24	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	8 mm	Type of connection	Tension clamp connection
Size	6	Volume resistance	≤ 2mΩ
Blade size, slotted (screw connection)	SD 0.5 x 3.0	Surface finish	Silver passivated
Material	Copper alloy		

**Data sheet**

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**Technical data**

**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, two inserts are required
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="#">1745800000_HDC_HE_16_FT_17-32_STP_Blatt_1.pdf</a>
IGES	<a href="#">1745800000_HDC_HE_16_FT_17-32_STP.igs</a>
VRML	<a href="#">1745800000_HDC_HE_16_FT_17-32_STP.wrl</a>
<a href="#">3-D model</a>	

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**Drawings**