

**HDC insert
HDC HEE 10 FC**

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The HEE series features high-density contacts and is designed based on the established HE inserts.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades. Crimp contacts are not delivered with the inserts.

Number of poles: **10**

Rated current: **16 A**

Rated voltage: **500 V**

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

Crimp connection

General ordering data

Type	HDC HEE 10 FC
Order No.	1826840000
Version	HDC insert, Female, 500 V, 16 A, No. of poles: 10, Crimp connection, Size: 3
GTIN (EAN)	4032248330249
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	51 mm	Width	34 mm
Height	36 mm	Net weight	48.6 g

Dimensions

Height of socket	36 mm	Total length base	51 mm
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General data

Size	3	Series	HEE
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 ¹⁰ Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Conductor cross-section	4 mm ²	No. of poles	10
Plugging cycles, silver	≥ 500	Plugging cycles, gold	≥ 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 ²
Wire connection cross section, finely stranded, max.	4 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.	4 mm ²	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section AWG, max.	AWG 12	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	4 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	4 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)	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 12
Stripping length, rated connection	7.5 mm	Type of connection	Crimp connection
Size	3	Volume resistance	≤ 2 mΩ
Surface finish	Silver passivated, gold	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 ordering data	When using connectors with high contact density, we recommend the use of guide pins and sockets; see Chapter J
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



ROHS

Conform

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Drawings

