

**HDC insert
HDC HE 16 FT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

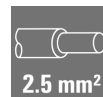
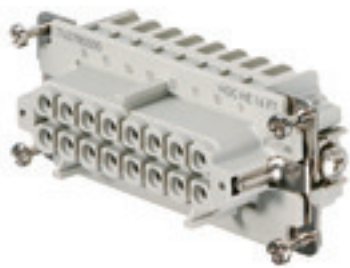
D-32758 Detmold

Germany

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www.weidmueller.com



For the tension clamp connection, the wire connection level is designed as a tension clamp element. As a result, it is virtually maintenance-free and a safe, permanent and vibration-proof connection is established.

Tension clamp connection

General ordering data

Type	HDC HE 16 FT
Order No.	1745780000
Version	HDC insert, Female, 500 V, 16 A, Number of poles: 16, Tension-clamp connection, Size: 6
GTIN (EAN)	4008190985509
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	34	Width (inches)	1.339 inch
Height	33 mm	Height (inches)	1.299 inch
Depth	84.5 mm	Depth (inches)	3.327 inch
Net weight	84 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
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Dimensions

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

Conductor cross-section	2.5 mm ²	Insulating material	PC glass-fibre reinforced (UL-listed and railway- certified)
Insulating material group	IIIa	Insulation strength	10 ¹⁰ Ω
Material	Copper alloy	Number of poles	16
Plugging cycles, silver	≥ 500	Pollution severity	3
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
Series	HE	Size	6
Surface finish	Silver passivated	Type	Female
UL 94 flammability rating	V-0	Volume resistance	≤ 2mΩ

Connection data PE

Blade size, crosshead	size PH 1	Blade size, slotted (PE connection)	SD 0.8 x 4.0
Connection type PE	Screw connection	Fixing screw	M 4
Rated cross-section	4 mm ²	Stripping length PE connection	10 mm
Tightening torque, max. PE connection	1.5 Nm	Tightening torque, min. PE connection	1.2 Nm
Wire connection cross section, finely stranded, max.	2.5 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, min.	0.5 mm ²
Wire cross section, AWG (PE), max.	AWG 12	Wire cross section, AWG (PE), min.	AWG 20
Wire cross-section, solid, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²

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Technical data
Version

Blade size, slotted (screw connection)	SD 0.5 x 3.0	Conductor cross-section, max.	2.5 mm ²
Conductor cross-section, min.	0.25 mm ²	Material	Copper alloy
Size	6	Stripping length, rated connection	8 mm
Surface finish	Silver passivated	Type of connection	Tension-clamp connection
Volume resistance	≤ 2mΩ	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section, finely stranded, max.	2.5 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, min.	0.5 mm ²	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²		

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
eClass 9.0	27-44-02-05	eClass 9.1	27-44-02-05
eClass 10.0	27-44-02-05	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue	CAT 3 HDC 17/18 EN FL FIELDWIRING EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
Technical Documentation	1745780000_HDC_HE_16_FT_STP_Blatt_1.pdf

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Drawings

