

**HDC insert
HDC HE 6 MT**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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: **6**

Rated current: **24 A**

Rated voltage: **500 V**

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

Tension clamp connection

General ordering data

Type	HDC HE 6 MT
Order No.	1745820000
Version	HDC insert, Pin, 500 V, 24 A, Number of poles: 6, Tension-clamp connection, Size: 3
GTIN (EAN)	4008 190985547
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	34 mm	Width (inches)	1.339 inch
Height	33.5 mm	Height (inches)	1.319 inch
Depth	51 mm	Depth (inches)	2.008 inch
Net weight	43 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 plug	33.5 mm	Total length base	51 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	6
Plugging cycles, silver	≥ 500	Pollution severity	3
Rated current (DIN EN 61984)	24 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	3
Surface finish	Silver passivated	Type	Pin
UL 94 flammability rating	V-0	Volume resistance	≤ 2mΩ

Connection data PE

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	3	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	1745820000_HDC_HE_06_MT_STP_Blatt_1.pdf

Data sheet

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Drawings

