

**HDC insert  
HDC HE 24 FS 25-48****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

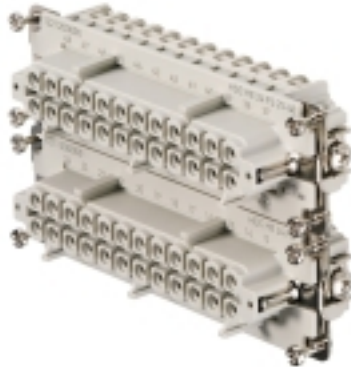
D-32758 Detmold

Germany

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For the screw connection, the wire connection level is designed as a screw element. All screw connection elements are equipped with wire protection (with the exception of size 1).

Screw connection

**General ordering data**

Type	HDC HE 24 FS 25-48
Order No.	<a href="#">1221200000</a>
Version	HDC insert, Female, 500 V, 16 A, Number of poles: 24, Screw connection, Size: 8
GTIN (EAN)	4008190014896
Qty.	1 pc(s).

Creation date September 7, 2020 11:13:50 AM CEST

Catalogue status 05.09.2020 / We reserve the right to make technical changes.

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

Width	34 mm	Width (inches)	1.339 inch
Height	35.2 mm	Height (inches)	1.386 inch
Depth	111 mm	Depth (inches)	4.37 inch
Net weight	138 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	35.2 mm	Total length base	111 mm
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**General data**

Conductor cross-section	2.5 mm <sup>2</sup>	Insulating material	PC glass-fibre reinforced (UL-listed and railway- certified)
Insulating material group	IIIa	Insulation strength	10 <sup>10</sup> Ω
Material	Copper alloy	Max. torque for main contact	0.55 Nm
Min. torque for main contact	0.5 Nm	Number of poles	24
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	8
Surface finish	Silver passivated	Type	Female
UL 94 flammability rating	V-0	Volume resistance	≤ 2mΩ

**Connection data PE**

Blade size, crosshead	size PH1	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 <sup>2</sup>	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 <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>
Wire cross section, AWG (PE), max.	AWG 12	Wire cross section, AWG (PE), min.	AWG 20
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>	Wire cross-section, solid, min.	0.5 mm <sup>2</sup>

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**Technical data****Version**

Blade size	size PH1	Blade size, slotted (screw connection)	SD 0.6 x 3.5
Clamping screw	M 3	Conductor cross-section, max.	2.5 mm <sup>2</sup>
Conductor cross-section, min.	0.5 mm <sup>2</sup>	Material	Copper alloy
Max. torque for main contact	0.55 Nm	Min. torque for main contact	0.5 Nm
Size	8	Stripping length, rated connection	9 mm
Surface finish	Silver passivated	Type of connection	Screw connection
Volume resistance	≤ 2mΩ	Wire connection cross section AWG, max.	AWG 14
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>		

**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	<a href="#">CAT 3 HDC 17/18 EN</a> <a href="#">FL FIELDWIRING EN</a>
Engineering Data	<a href="#">EPLAN_WSCAD</a>
Engineering Data	<a href="#">STEP</a>
Technical Documentation	<a href="#">1221200000 HDC HE 24 FS 25-48 STP Blatt 1.pdf</a>

**Data sheet**

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**Drawings**

