

**HDC insert
HDC HEEE 40 FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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A heavy-duty connector consists of a connector insert and its protective housing. The insert is therefore the heart of the heavy-duty connector. It is responsible for electrical functioning. Connector inserts from Weidmüller are made from high-quality insulation materials, which allow secure transmission of high voltages in a tight space. Moreover, we use only a single type of plastic in our entire product line. This plastic is UL listed, and suitable for railway applications. This allows unlimited world-wide use of the RockStar® connector.

General ordering data

Type	HDC HEEE 40 FC
Order No.	1528380000
Version	HDC insert, Female, 500 V, 16 A, Number of poles: 40, Crimp connection, Size: 6
GTIN (EAN)	4050118374285
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	34 mm	Width (inches)	1.339 inch
Height	37 mm	Height (inches)	1.457 inch
Depth	84.3 mm	Depth (inches)	3.319 inch
Net weight	74 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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General data

Insulating material	PC	Insulation strength	$10^{10} \Omega$
Number of poles	40	Plugging cycles, gold	≥ 500
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	HEEE	Size	6
Type	Female	UL 94 flammability rating	V-0
Volume resistance	$\leq 2 \text{ m}\Omega$		

Connection data

Conductor cross-section, min.	0.5 mm ²	Conductor cross-section, max.	4 mm ²
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 12

Design

Product family	HDC insert	Product type	Insert
Type	Female	Type of connection	Crimp connection

General descriptions

Number of poles	40	Size	6
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Material

Insulating material	PC	UL 94 flammability rating	V-0
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Connection data PE

Connection type PE	Screw connection	Stripping length PE connection	10 mm
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 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.	4 mm ²	Wire cross-section, solid, min.	0.5 mm ²

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Technical data
Version

Conductor cross-section, max.	4 mm ²	Conductor cross-section, min.	0.5 mm ²
Size	6	Stripping length, rated connection	7.5 mm
Type of connection	Crimp connection	Volume resistance	≤ 2mΩ
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 20
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 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.	4 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		

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue	CAT 3 HDC 17/18 EN FL FIELDWIRING EN
Engineering Data	EPLAN
Engineering Data	STEP