

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Version	HDC insert, Female, 500 V, 16 A, Number of poles: 40, Crimp connection, Size: 6
Order No.	1528380000
Type	HDC HEEE 40 FC
GTIN (EAN)	4050118374285
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	84.3 mm	Depth (inches)	3.319 inch
Height	37 mm	Height (inches)	1.457 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	65.6 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Dimensions

Width	34 mm
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General data

BG	6	
Colour	beige	
Free from halogens	true	
Insulating material	PC	
Insulating material group	IIIa	
Insulation strength	10 ¹⁰ Ω	
Low smoke acc. DIN EN 45545-2	Yes	
Material	Copper alloy	
Number of poles	40	
Plugging cycles, gold	≥ 500	
Plugging cycles, silver	≥ 500	
Pollution severity	3	
Rated current (DIN EN 61984)	16 A	
Rated current (UR)	Wire connection cross section AWG	AWG 12
	Rated current	21.6 A
	Wire connection cross section AWG	AWG 14
	Rated current	16 A
	Wire connection cross section AWG	AWG 16
	Rated current	11.9 A
	Wire connection cross section AWG	AWG 18
	Rated current	11 A
	Wire connection cross section AWG	AWG 20
Rated current	8.1 A	
Rated current (cUR)	Wire connection cross section AWG	AWG 12
	Rated current	11.3 A
	Wire connection cross section AWG	AWG 14
	Rated current	8.5 A
	Wire connection cross section AWG	AWG 16
	Rated current	6.3 A
	Wire connection cross section AWG	AWG 18
	Rated current	5.9 A
	Wire connection cross section AWG	AWG 20
Rated current	4.3 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	

Creation date June 12, 2025 11:21:38 AM CEST

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Technical data

Type of connection	Crimp connection
UL 94 flammability rating	V-0
Volume resistance	≤2 mΩ

Connection data PE

Connection type PE	Screw connection	Stripping length PE connection	10 mm
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Version

BG	6	Conductor cross-section, max.	4 mm ²
Conductor cross-section, min.	0.5 mm ²	Material	Copper alloy
Size	6	Stripping length, rated connection	7.5 mm
Type of connection	Crimp connection	Volume resistance	≤2 mΩ
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, 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
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 9.0	27-44-02-05
ECLASS 9.1	27-44-02-05	ECLASS 10.0	27-44-02-05
ECLASS 11.0	27-44-02-05	ECLASS 12.0	27-44-02-05
ECLASS 13.0	27-44-02-05	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Substance	Acetone
Chemical resistance	Resistant
Substance	Ammonia, watery
Chemical resistance	Conditionally resistant
Substance	Petrol
Chemical resistance	Resistant
Substance	Benzene
Chemical resistance	Resistant
Substance	Diesel oil
Chemical resistance	Conditionally resistant
Substance	Acetic acid, concentrated
Chemical resistance	Resistant
Substance	Potassium hydroxide
Chemical resistance	Conditionally resistant
Substance	Methanol
Chemical resistance	Conditionally resistant
Substance	Motor oil
Chemical resistance	Conditionally resistant
Substance	Lye, diluted

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Technical data

Chemical resistance	Resistant
Substance	Hydrochlorofluorocarbons
Chemical resistance	Conditionally resistant
Substance	Outdoor use
Chemical resistance	Conditionally resistant

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@7a8bfd4 de.myview.objectmodel.impl.BlockImpl@6612104b de.myview.objectmodel.impl.BlockImpl@676a8f86 de.myview.objectmodel.impl.BlockImpl@666e86a4 de.myview.objectmodel.impl.BlockImpl@432da180 de.myview.objectmodel.impl.BlockImpl@35cb61e6 de.myview.objectmodel.impl.BlockImpl@6eede66 de.myview.objectmodel.impl.BlockImpl@142733b9 de.myview.objectmodel.impl.BlockImpl@3aa8b11c de.myview.objectmodel.impl.BlockImpl@548233fe de.myview.objectmodel.impl.BlockImpl@246fcae6 de.myview.objectmodel.impl.BlockImpl@9f89f29

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Product Change Notification	20200914 Technical change to HDC HEE 4064 INSERTS
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN