

**HDC insert
HDC HQ 7 FC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

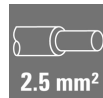
D-32758 Detmold

Germany

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The HQ series - big features in a compact design The electrical values speak for themselves. The standard HE crimp contacts can also be used here.

The wire connection level is designed as a crimp contact

The established crimp connection has been used as a standard for decades.

Crimp contacts are not delivered with the inserts.

Pole count: **7 (+PE)**

Rated current: **10 A**

Rated voltage: **400 V**

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

Crimp connection

General ordering data

Type	HDC HQ 7 FC
Order No.	1003180000
Version	HDC insert, Female, 400 V, 10 A, Number of poles: 7, Crimp connection, Size: 1
GTIN (EAN)	4032248698172
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	21	Width (inches)	0.827 inch
Height	40.2 mm	Height (inches)	1.583 inch
Depth	21 mm	Depth (inches)	0.827 inch
Net weight	13.2 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	40.2 mm	Total length base	21 mm
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General data

Insulating material	PC glass-fibre reinforced (UL-listed and railway- certified)	Insulating material group	IIIa
Insulation strength	$10^{10} \Omega$	Number of poles	7
Plugging cycles, gold	≥ 500	Plugging cycles, silver	≥ 500
Pollution severity	3	Rated current (DIN EN 61984)	10 A
Rated impulse voltage (DIN EN 61984)	6 kV	Rated voltage (DIN EN 61984)	400 V
Rated voltage according to UL/CSA	600 V AC/DC	Series	HQ
Size	1	Type	Female
UL 94 flammability rating	V-0	Volume resistance	$\leq 4m\Omega$

Connection data PE

Blade size, slotted (PE connection)	SD 0.6 x 3.5	Connection type PE	Screw connection
Fixing screw	M 3	Rated cross-section	2.5 mm ²
Stripping length PE connection	5 mm	Tightening torque, max. PE connection	0.55 Nm
Tightening torque, min. PE connection	0.5 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.	0.14 mm ²
Wire connection cross-section, finely stranded, min.	0.14 mm ²	Wire cross section, AWG (PE), max.	AWG 14
Wire cross section, AWG (PE), min.	AWG 26		

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Technical data
Version

Conductor cross-section, max.	2.5 mm ²	Conductor cross-section, min.	0.14 mm ²
Size	1	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Volume resistance	≤ 4mΩ
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 26
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.	0.14 mm ²	Wire connection cross-section, finely stranded, min.	0.14 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
Engineering Data	STEP

Data sheet**HDC insert
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Drawings