

HDC HD 25 FC Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The HD series features high-density contacts and is thus ideally suited to signal processing.

The wire connection level is designed for crimp contacts. The proven crimp connection method has been in standard use for decades.

Crimp contacts are not included in the scope of delivery of inserts.

Crimp connection

General ordering data

Version	HDC insert, Female, 250 V, 10 A, Number of poles: 25, Crimp connection, Size: 5, 7
Order No.	1023050000
Type	HDC HD 25 FC Z
GTIN (EAN)	4032248738625
Qty.	1 pc(s).

Creation date March 7, 2023 2:29:24 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	73 mm	Depth (inches)	2.874 inch
Height	33.8 mm	Height (inches)	1.331 inch
Width	23 mm	Width (inches)	0.906 inch
Net weight	38.2 g		

Temperatures

Operating temperature, min.	-40 °C	Operating temperature, max.	125 °C
Limit temperature	-40 °C ... 125 °C		

Dimensions

Height of socket	33.8 mm	Total length base	73 mm
Width	23 mm		

General data

BG	5, 7	Conductor cross-section	2.5 mm ²
Free from halogens	true	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulating material group	IIIa	Insulation strength	10 ¹⁰ Ω
Low smoke acc. DIN EN 45545-2	Yes	Material	Copper alloy
Number of poles	25	Plugging cycles, gold	≥ 500
Plugging cycles, silver	≥ 500	Pollution severity	3
Rated current (DIN EN 61984)	10 A	Rated impulse voltage (DIN EN 61984)	4 kV
Rated voltage (DIN EN 61984)	250 V	Rated voltage according to UL/CSA	600 V AC/DC
Series	HD	Size	5, 7
Type	Female	UL 94 flammability rating	V-0
Volume resistance	≤4 mΩ		

Connection data PE

Blade size, slotted (PE connection)	SD 0.6 x 3.5, SD 0.8 x 4.0	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	2.5 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 cross section, AWG (PE), max.	AWG 14
Wire cross section, AWG (PE), min.	AWG 20		

Version

BG	5, 7	Conductor cross-section, max.	2.5 mm ²
Conductor cross-section, min.	0.14 mm ²	Material	Copper alloy
Size	5, 7	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Volume resistance	≤4 mΩ
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, min.	0.5 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 cross-section, solid, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²

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Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	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

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

Environmental Product Compliance

REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@2d1014c0 de.myview.objectmodel.impl.BlockImpl@7e31b4b7 de.myview.objectmodel.impl.BlockImpl@662e343c de.myview.objectmodel.impl.BlockImpl@98c2ed6 de.myview.objectmodel.impl.BlockImpl@24979d33 de.myview.objectmodel.impl.BlockImpl@5770011a de.myview.objectmodel.impl.BlockImpl@40e8501c de.myview.objectmodel.impl.BlockImpl@28fa3c49 de.myview.objectmodel.impl.BlockImpl@301c5260 de.myview.objectmodel.impl.BlockImpl@67b3fda8 de.myview.objectmodel.impl.BlockImpl@65d939f2 de.myview.objectmodel.impl.BlockImpl@1cb84974

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Technical data

Approvals

Approvals



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Approval/Certificate/Document of
Conformity

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Engineering Data

[CAD data – STEP](#)

White paper

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Drawings

