

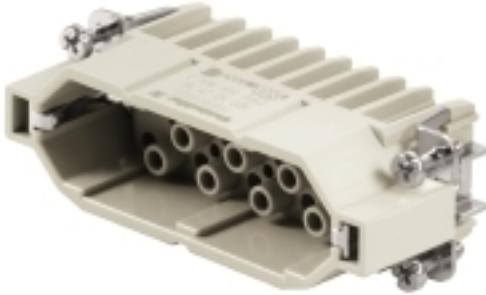
HDC HD 25 MC Z**Weidmüller Interface GmbH & Co. KG**

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, Male, 250 V, 10 A, Number of poles: 25, Crimp connection, Size: 5, 7
Order No.	1023040000
Type	HDC HD 25 MC Z
GTIN (EAN)	4032248738618
Qty.	1 pc(s).

HDC HD 25 MC Z

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Technical data

Dimensions and weights

Depth	73 mm	Depth (inches)	2.874 inch
Height	35 mm	Height (inches)	1.378 inch
Width	23 mm	Width (inches)	0.906 inch
Net weight	34 g		

Temperatures

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

Height of plug	35 mm	Total length base	73 mm
Width	23 mm		

General data

BG	5, 7	
Colour	beige	
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 current (UR)	Wire connection cross section AWG	AWG 14
	Rated current	10 A
	Wire connection cross section AWG	AWG 16
	Rated current	7 A
	Wire connection cross section AWG	AWG 18
	Rated current	7 A
	Wire connection cross section AWG	AWG 20
	Rated current	2.75 A
	Wire connection cross section AWG	AWG 22
	Rated current	2.75 A
Rated current (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	10 A
	Wire connection cross section AWG	AWG 16
	Rated current	7 A
	Wire connection cross section AWG	AWG 18
	Rated current	7 A
	Wire connection cross section AWG	AWG 20
	Rated current	2.75 A
	Wire connection cross section AWG	AWG 22
	Rated current	2.75 A
	Wire connection cross section AWG	AWG 24
	Rated current	2.75 A
	Wire connection cross section AWG	AWG 24
	Rated current	2.75 A

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Technical data

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	Male
Type of connection	Crimp connection
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 cross-section, solid, max.	2.5 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
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		

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

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Technical data

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

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@66767c1d de.myview.objectmodel.impl.BlockImpl@30682aa4 de.myview.objectmodel.impl.BlockImpl@18e875da de.myview.objectmodel.impl.BlockImpl@168ee01e de.myview.objectmodel.impl.BlockImpl@43cdf046 de.myview.objectmodel.impl.BlockImpl@3201cf91 de.myview.objectmodel.impl.BlockImpl@699c3aae de.myview.objectmodel.impl.BlockImpl@8f3a993 de.myview.objectmodel.impl.BlockImpl@2490370b de.myview.objectmodel.impl.BlockImpl@1851194f de.myview.objectmodel.impl.BlockImpl@109019a1 de.myview.objectmodel.impl.BlockImpl@53a8511

Approvals

Approvals



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
White paper	HDC One Pager HDC One Pager
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings

