

HDC HE 10 MS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For the screw connection, the wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Number of poles: **10**Rated current: **16 A**Rated voltage: **500 V**Nominal voltage acc. to UL/CSA: **600 V AC/DC**

Screw connection

General ordering data

Version	HDC insert, Male, 500 V, 16 A, Number of poles: 10, Screw connection, Size: 4
Order No.	1203900000
Type	HDC HE 10 MS
GTIN (EAN)	4008190169916
Qty.	1 pc(s).

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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	35.7 mm	Height (inches)	1.406 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	57.2 g		

Temperatures

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

Height of plug	35.7 mm	Total length base	64 mm
Width	34 mm		

General data

BG	4		
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		
Max. torque for main contact	0.55 Nm		
Min. torque for main contact	0.5 Nm		
Number of poles	10		
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	20 A	
	Wire connection cross section AWG	AWG 14	
	Rated current	15 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	10 A	
	Wire connection cross section AWG	AWG 18	
	Rated current	7 A	
Rated current (cUR)	Wire connection cross section AWG	AWG 20	
	Rated current	5 A	
	Wire connection cross section AWG	AWG 12	
	Rated current	19.7 A	
	Wire connection cross section AWG	AWG 14	
	Rated current	15 A	
	Wire connection cross section AWG	AWG 16	
	Rated current	11.3 A	
Rated current (cUR)	Wire connection cross section AWG	AWG 18	
	Rated current	10.3 A	
	Wire connection cross section AWG	AWG 20	
	Rated current	8 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		

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2

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Technical data

Series	HE
Size	4
Surface finish	Silver passivated
Type	Male
Type of connection	Screw connection
UL 94 flammability rating	V-0
Volume resistance	≤2 mΩ

Connection data PE

Blade size, slotted (PE connection)	SD 0.8 x 4.0	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	4 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 12
Wire cross section, AWG (PE), min.	AWG 20		

Version

BG	4	Blade size	size PH1
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Clamping screw	M 3
Conductor cross-section, max.	2.5 mm ²	Conductor cross-section, min.	0.5 mm ²
Material	Copper alloy	Max. torque for main contact	0.55 Nm
Min. torque for main contact	0.5 Nm	Size	4
Stripping length, rated connection	9 mm	Surface finish	Silver passivated
Type of connection	Screw connection	Volume resistance	≤2 mΩ
Wire connection cross section AWG, max.	AWG 14	Wire connection cross section AWG, min.	AWG 20
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 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

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Technical data

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

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3
SCIP	e98b2b24-ba23-41bf-8d19-Odda3647412f
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@389e41cf de.myview.objectmodel.impl.BlockImpl@7232ec19 de.myview.objectmodel.impl.BlockImpl@41d06736 de.myview.objectmodel.impl.BlockImpl@cfd96 de.myview.objectmodel.impl.BlockImpl@46a755ff de.myview.objectmodel.impl.BlockImpl@23103b16 de.myview.objectmodel.impl.BlockImpl@61bb0195 de.myview.objectmodel.impl.BlockImpl@2495179 de.myview.objectmodel.impl.BlockImpl@7ebde462 de.myview.objectmodel.impl.BlockImpl@5cd7a828 de.myview.objectmodel.impl.BlockImpl@65d9ad8e de.myview.objectmodel.impl.BlockImpl@2dd3fad5

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
Technical Documentation	1203900000 HDC HE 10 MS STP Blatt 1.pdf
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings

