

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

General ordering data

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

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Dimensions and weights

Depth	64 mm	Depth (inches)	2.5197 inch
Height	35.7 mm	Height (inches)	1.4055 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	57.2 g		

Temperatures

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

Dimensions

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

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General data

Number of poles	10			
Plugging cycles, silver	≥ 500			
Plugging cycles, gold	≥ 500			
Type of connection	Screw connection			
Installation size	4			
UL 94 flammability rating	V-0			
Volume resistance	≤2 mΩ			
Colour	beige			
Insulation resistance	1010 Ω			
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)			
Insulating material group	IIIa			
Conductor cross-section	2.5 mm ²			
Tightening torque, max. PE connection	1.5 Nm			
Surface finish	Silver passivated			
Max. torque for main contact	0.7 Nm			
Type	Male			
Pollution severity	3			
Tightening torque, min. PE connection	1.2 Nm			
Basic material	Copper alloy			
Min. torque for main contact	0.6 Nm			
Series	HE			
Rated voltage (DIN EN 61984)	500 V			
Rated voltage according to UL/CSA	600 V AC/DC			
Rated impulse voltage (DIN EN 61984)	6 kV			
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		
	Wire connection cross section AWG	AWG 20		
	Rated current	5 A		
	Rated current (cUR)	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		
Wire connection cross section AWG		AWG 18		
Rated current		10.3 A		
Wire connection cross section AWG		AWG 20		
Rated current		8 A		
Free from halogens		true		
Low smoke acc. DIN EN 45545-2		Yes		
BG	4			
Number of signal contacts	0			
Number of power contacts	10			

Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.8 x 4.0
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.5 Nm

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Tightening torque, min. PE connection	1.2 Nm	Fixing screw	M 4
Rated cross-section	4 mm ²	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 12		

Power contact

Tightening torque, max.	0.7 Nm	Tightening torque, min.	0.6 Nm
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Signal contact

Tightening torque, max.	0.7 Nm	Tightening torque, min.	0.6 Nm
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Version

Blade size, slotted (screw connection)	SD 0.6 x 3.5	Wire connection cross section AWG, max.	AWG 14
Stripping length, rated connection	9 mm	Type of connection	Screw connection
Installation size	4	Volume resistance	≤2 mΩ
Clamping screw	M 3	Blade size	size PH1
Wire connection cross section AWG, min.	AWG 20	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, 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, max.	2.5 mm ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Conductor cross-section, max.	2.5 mm ²	Conductor cross-section, min.	0.5 mm ²
Surface finish	Silver passivated	Max. torque for main contact	0.7 Nm
Basic material	Copper alloy	Min. torque for main contact	0.6 Nm
BG	4		

Classifications

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Drawings

