Data sheet

HDC HE 16 MP EXI

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



The ability to disconnect cables in the Ex i area simplifies installation and service and enables better preparation.
The Rockstar® Ex i inserts shown here are equipped with PUSH IN connections and are therefore very easy to connect.
They are identified by the article designation

General ordering data

Version	HDC insert, Male, 500 V, 5 A, Number of poles: 16, PUSH IN, Installation size: 6
Order No.	3001250000
Type	HDC HE 16 MP EXI
GTIN (EAN)	4099986902350
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	84.5 mm	Depth (inches)	3.3268 inch
Height	34.3 mm	Height (inches)	1.3504 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	78 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2

Dimensions

Width	34 mm	Total length base	84.5 mm
Socket height	33.8 mm		

General data

Number of poles	16	Plugging cycles, silver	≥ 500
Type of connection	PUSH IN	Installation size	6
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
Tightening torque (PE connection), max.	1.5 Nm	Surface finish	Silver passivated
Type	Male	Pollution severity	3
Tightening torque (PE connection), min.	1.2 Nm	Basic material	Copper alloy
Series	HE	Rated voltage (DIN EN 61984)	500 V
Rated current (DIN EN 61984)	5 A	Free from halogens	true
Low smoke acc. DIN EN 45545-2	Yes	BG	6
Number of signal contacts	0	Number of power contacts	16
Explosion protection type	II 2G Ex ib IIC T6 Gb		

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 (PE connection), max.	1.5 Nm
Tightening torque (PE connection), min.	1.2 Nm	Fixing screw	M 4
Rated cross-section	4 mm²	Wire cross section, AWG (PE), min.	AWG 20
Wire cross section, AWG (PE), max.	AWG 12		

Version

Blade size, slotted (screw connection)	SD 0.5 x 3.0	Stripping length (rated connection)	10 mm
Type of connection	PUSH IN	Installation size	6
Volume resistance	≤2 mΩ	Wire cross-section, solid, max.	2.5 mm²
Wire cross-section, solid, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm²
Wire connection cross-section, finely stranded, max.	2.5 mm²	Wire connection cross section, finely stranded, min.	0.5 mm²
Conductor cross-section, max.	2.5 mm²	Conductor cross-section, min.	0.5 mm²
Surface finish	Silver passivated	Basic material	Copper alloy
BG	6		

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		

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Drawings

