HDC HE 6 FP EXI

The ability to disconnect cables in the EXI area simplifies installation and service and enables better preparation. The Rockstar® EXI 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	, Female, 500 V, 5 A, Number of poles: 6, PUSH IN, Installation size: 3
Order No.	3001190000
Type	HDC HE 6 FP EXI
GTIN (EAN)	4099986902305
Qty.	1 items

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HDC HE 6 FP EXI

Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	51 mm	Depth (inches)	2.0079 inch
Height	33.8 mm	Height (inches)	1.3307 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	38.72 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

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	b67daa31-7dca-434d-8290-da7fb52f83a2

Dimensions

Width	34 mm	Total length base	51 mm
Height of socket	33.8 mm		

General data

Number of poles	6	Plugging cycles, silver	≥ 500
Type of connection	PUSH IN	Installation size	3
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, max. PE connection	1.5 Nm	Surface finish	Silver passivated
Type	Female	Pollution severity	3
Tightening torque, min. PE connection	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	3
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, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	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	3

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3

Technical data

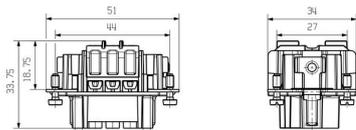|			
Volume resistance	≤2 mΩ	Wire cross-section, solid, max.	2.5 mm²
Wire cross-section, solid, min.	0.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm²	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	3		

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		

HDC HE 6 FP EXI

Drawings

HDC HE 6 FP EXI

Accessories

Size 3

The option of disconnecting cables in the EXI area simplifies installation and servicing and enables better preparation.
The Rockstar® EXI enclosures shown here are identified for use by their article designation.
A blue color is therefore not required. A blue EXI gland is required to complete the enclosure.

General ordering data

Type	HDC 06B ALU EXI	Version
Order No.	3001300000	HDC enclosures, Installation size: 3, Protection degree: IP65, in
GTIN (EAN)	4099986902381	plugged condition, Bulkhead housing, End-locking clamp, lower side,
Qty.	1 ST	End-locking clamp not replaceable, Standard
Type	HDC 06B TOLU 1M20G EXI	Version
Order No.	3001360000	HDC enclosures, Installation size: 3, Protection degree: IP65, in
GTIN (EAN)	4099986902435	plugged condition, Cable entry from side, Plug housing, Side-locking
Qty.	1 ST	clamp on lower side, Standard, Size of cable entries: M 20
Type	HDC 06B TSLU 1M20G EXI	Version
Order No.	3001350000	HDC enclosures, Installation size: 3, Protection degree: IP65, in
GTIN (EAN)	4099986902428	plugged condition, Cable entry from side, End-locking clamp, lower
Qty.	1 ST	side, Standard, Size of cable entries: M 20

Chloroprene seal material, -40°C - +70°C

Polyamide cable glands, which are suitable for usage in explosion risk zones Ex e (increased safety) and Ex i (intrinsic safety).
Weidmüller offers a product family without restrictions and besides compliance with standards, the cable gland excels thanks to its increased impact resistance of 4/7 Joule and a possible temperature range down to -60°C without restrictions. They have been tested to the current standard and EN 60079-0 directive, they are ATEX and IECEx certified.

General ordering data

Type	VG M20 EXI 7-13 CR7J G4	Version
Order No.	2722250000	VG Exi 7J (Ex plastic cable gland 7J Exi), Cable glands, straight, M 20,
GTIN (EAN)	4050118821482	10 mm, OD min. 7 - OD max. 13 mm, IP54, IP66, IP67, IP68 - 5 bar
Qty.	50 ST	(30 min.), Polyamide 6

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