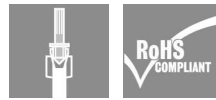


**HDC insert
HDC S6 6 SAS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



The MixMate series of connectors can simultaneously transmit high rated currents and voltages as well as signals. An axial screw can be used to secure the wire.
Axial screw connection TOP connection

General ordering data

Type	HDC S6 6 SAS
Order No.	1790030000
Version	HDC insert, Male, 690 V, 100 A, No. of poles: 12, Axial screw connection, Screw connection, Size: 8
GTIN (EAN)	4032248212095
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Length	111 mm	Width	34 mm
Height	47.8 mm	Net weight	295.9 g

Dimensions

Height of plug	47.8 mm	Total length base	111 mm
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General data

Size	8	Series	MixMate
Rated voltage (DIN EN 61984)	690 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	8 kV	Rated current (DIN EN 61984)	100 A
UL 94 flammability rating	V-0	Insulating material group	IIIa
Insulation resistance	10 ¹⁰ Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
No. of poles	12	Plugging cycles, silver	≥ 500
Pollution severity	3	Type	Male

Connection data PE

Stripping length PE connection	8 mm	Wire connection cross-section, finely stranded, min.	16 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section AWG, max.	AWG 2	Connection type PE	Screw connection, Miscellaneous
Tightening torque, min. PE connection	6 Nm	Tightening torque, max. PE connection	8 Nm
Rated cross-section	35 mm ²		

Rating data

Rated current (DIN EN 61984)	100 A	Rated impulse voltage (DIN EN 61984)	8 kV
Rated voltage (DIN EN 61984)	690 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 6	Wire connection cross section AWG, max.	AWG 2
Stripping length, rated connection	13 mm	Type of connection	Axial screw connection, Screw connection
Min. torque for main contact	6 Nm	Max. torque for main contact	8 Nm
Size	8	Volume resistance	≤ 1 mΩ
Clamping screw	M 7 x 0.75 mm	Surface finish	Silver passivated
Material	Copper alloy		

Classifications

ETIM 3.0	EC002413	UNSPSC	30-21-18-01
eClass 5.1	27-14-34-19	eClass 6.2	27-26-12-90
eClass 7.1	27-44-02-90		

Datenblatt**HDC insert
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Technische Daten**Product information**

Descriptive text ordering data	The signal contacts are designed for a rated voltage of 400V and a rated current of 16A.
Descriptive text technical data	Rated voltage 1000 V / 8 kV at pollution degree 2. PE connection using a middle axial screw connection to receive the wire in the same way as a power contact.
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



ROHS

Conform

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HDC S6 6 SAS**

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Zeichnungen