

**HDC insert
HDC S4 0 SAS**

Weidmüller Interface GmbH & Co. KG
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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 S4 0 SAS
Order No.	1789960000
Version	HDC insert, Male, 830 V, 80 A, No. of poles: 4, Axial screw connection, Size: 6
GTIN (EAN)	4032248212026
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Length	84.5 mm	Width	34 mm
Height	43.9 mm	Net weight	123.9 g

Dimensions

Height of plug	43.9 mm	Total length base	84.5 mm
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General data

Size	6	Series	MixMate
Rated voltage (DIN EN 61984)	830 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	8 kV	Rated current (DIN EN 61984)	80 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)
Conductor cross-section	16 mm ²	No. of poles	4
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.	1.5 mm ²
Wire connection cross section, finely stranded, max.	16 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section AWG, max.	AWG 6	Wire cross-section, solid, min.	1.5 mm ²
Wire cross-section, solid, max.	16 mm ²	Connection type PE	Screw connection
Tightening torque, min. PE connection	2 Nm	Tightening torque, max. PE connection	2.5 Nm
Rated cross-section	16 mm ²	Fixing screw	M 5
Blade size, crosshead	Gr. PZ2	Blade size, slotted (PE connection)	SD 0.8 x 4.0

Rating data

Rated current (DIN EN 61984)	80 A	Rated impulse voltage (DIN EN 61984)	8 kV
Rated voltage (DIN EN 61984)	830 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 16	Wire connection cross section AWG, max.	AWG 6
Stripping length, rated connection	13 mm	Type of connection	Axial screw connection
Min. torque for main contact	2 Nm	Max. torque for main contact	3 Nm
Size	6	Volume resistance	≤ 1 mΩ
Clamping screw	M 10 x 1 mm	Surface finish	Silver passivated
Material	Copper alloy		

Datenblatt

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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		

Product information

Descriptive text technical data	Rated voltage 1000 V / 8 kV at pollution degree 2
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



ROHS	Conform
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Zeichnungen