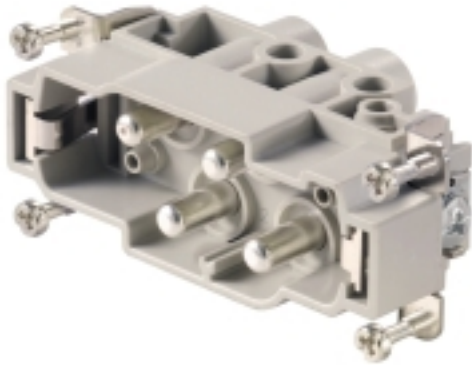


**HDC insert
HDC S4/0 MS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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.

The wire connection level is designed for screw connections.

Screw connection.

General ordering data

Type	HDC S4/0 MS
Order No.	1023220000
Version	HDC insert, Pin, 830 V, 80 A, Number of poles: 4, Screw connection, Size: 6
GTIN (EAN)	4032248739295
Qty.	1 pc(s).

Creation date September 7, 2020 10:29:06 AM CEST

Catalogue status 05.09.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Width	34 mm	Width (inches)	1.339 inch
Height	42 mm	Height (inches)	1.654 inch
Depth	84.5 mm	Depth (inches)	3.327 inch
Net weight	109 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3
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Dimensions

Height of plug	42 mm	Total length base	84.5 mm
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General data

Conductor cross-section	16 mm ²	Insulating material	PC glass-fibre reinforced (UL-listed and railway- certified)
Insulating material group	IIIa	Insulation strength	10 ¹⁰ Ω
Material	Copper alloy	Max. torque for main contact	3 Nm
Min. torque for main contact	1.5 Nm	Number of poles	4
Number of power contacts	4	Plugging cycles, silver	≥ 500
Pollution severity	3	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	Series	MixMate
Size	6	Surface finish	Silver passivated
Type	Pin	UL 94 flammability rating	V-0
Volume resistance	≤ 1 mΩ		

Connection data PE

Blade size, crosshead	Gr. PH2	Blade size, slotted (PE connection)	SD 1.2 x 6.5
Connection type PE	Screw connection	Fixing screw	M 5
Rated cross-section	16 mm ²	Stripping length PE connection	13 mm
Tightening torque, max. PE connection	2.5 Nm	Tightening torque, min. PE connection	2 Nm
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire cross section, AWG (PE), max.	AWG 6	Wire cross section, AWG (PE), min.	AWG 20
Wire cross-section, solid, max.	16 mm ²	Wire cross-section, solid, min.	0.5 mm ²

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Technical data**Power contact**

Clamping range, power contact, max.	16 mm ²	Clamping range, power contact, min.	1.5 mm ²
Number of poles, performance contact	4	Rated current (DIN EN 61984), power contact	80 A
Rated impulse voltage (DIN EN 61984), power contact	8 kV	Rated voltage (DIN EN 61984), power contact	830 V
Stripping length, performance contact	15 mm	Type of connection, power contact	Screw connection

Version

Blade size, slotted (screw connection)	1.0 x 5.5 mm	Clamping screw	M 6
Conductor cross-section, max.	16 mm ²	Conductor cross-section, min.	1.5 mm ²
Material	Copper alloy	Max. torque for main contact	3 Nm
Min. torque for main contact	1.5 Nm	Size	6
Stripping length, rated connection	15 mm	Surface finish	Silver passivated
Type of connection	Screw connection	Volume resistance	≤ 1 mΩ
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire cross-section, solid, max.	16 mm ²	Wire cross-section, solid, min.	0.5 mm ²

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
eClass 9.0	27-44-02-05	eClass 9.1	27-44-02-05
eClass 10.0	27-44-02-05	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue	CAT 3 HDC 17/18 EN FL FIELDWIRING EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP

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Drawings

