

**HDC insert
HDC S4 SAS****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. An axial screw can be used to secure the wire.
Axial screw connection TOP connection

General ordering data

Type	HDC S4 SAS
Order No.	1789990000
Version	HDC insert, Pin, 1000 V, 40 A, Number of poles: 4, Axial screw connection, Size: 3
GTIN (EAN)	4032248212057
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	34	Width (inches)	1.339 inch
Height	41.3 mm	Height (inches)	1.626 inch
Depth	51 mm	Depth (inches)	2.008 inch
Net weight	78.7 g		

Temperatures

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

REACH SVHC	Lead 7439-92-1
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Dimensions

Height of plug	41.3 mm	Total length base	51 mm
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General data

Conductor cross-section	6 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	Number of poles	4
Number of power contacts	4	Plugging cycles, silver	≥ 500
Pollution severity	3	Rated current (DIN EN 61984)	40 A
Rated impulse voltage (DIN EN 61984)	8 kV	Rated voltage (DIN EN 61984)	1,000 V
Rated voltage according to UL/CSA	600 V AC/DC	Series	MixMate
Size	3	Surface finish	Silver passivated
Type	Pin	UL 94 flammability rating	V-0
Volume resistance	≤ 1 mΩ		

Connection data PE

Blade size, slotted (PE connection)	SD 0.6 x 3.5	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	6 mm ²
Stripping length PE connection	8 mm	Tightening torque, max. PE connection	0.8 Nm
Tightening torque, min. PE connection	0.5 Nm	Wire connection cross section, finely stranded, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	2.5 mm ²	Wire cross section, AWG (PE), max.	AWG 11
Wire cross section, AWG (PE), min.	AWG 14	Wire cross-section, solid, max.	6 mm ²
Wire cross-section, solid, min.	2.5 mm ²		

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Technical data

Power contact

Clamping range, power contact, max.	6 mm ²	Clamping range, power contact, min.	2.5 mm ²
Number of poles, performance contact	4	Rated current (DIN EN 61984), power contact	40 A
Rated impulse voltage (DIN EN 61984), power contact	8 kV	Rated voltage (DIN EN 61984), power contact	1,000 V
Stripping length, performance contact	8 mm	Tightening torque, power contact, max.	1.7 Nm
Tightening torque, power contact, min.	1.1 Nm	Type of connection, power contact	Axial screw connection

Version

Clamping screw	M 7 x 0.75 mm	Conductor cross-section, max.	6 mm ²
Conductor cross-section, min.	2.5 mm ²	Material	Copper alloy
Size	3	Stripping length, rated connection	8 mm
Surface finish	Silver passivated	Type of connection	Axial screw connection
Volume resistance	≤ 1 mΩ	Wire connection cross section AWG, max.	AWG 11
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section, finely stranded, max.	6 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	2.5 mm ²	Wire cross-section, solid, max.	6 mm ²
Wire cross-section, solid, min.	2.5 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, Zuken E3.S
Engineering Data	STEP

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Drawings

