

**HDC insert
HDC S6 6 BAS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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 BAS
Order No.	1790020000
Version	HDC insert, Female, 690 V, 100 A, Number of poles: 12, Axial screw connection, Size: 8
GTIN (EAN)	4032248212088
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	34	Width (inches)	1.339 inch
Height	50.8 mm	Height (inches)	2 inch
Depth	111 mm	Depth (inches)	4.37 inch
Net weight	300 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 socket	50.8 mm	Total length base	111 mm
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General data

Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	Insulating material group	IIIa
Insulation strength	$10^{10} \Omega$	Material	Copper alloy
Number of poles	12	Number of power contacts	6
Number of signal contacts	6	Plugging cycles, silver	≥ 500
Pollution severity	3	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	Series	MixMate
Size	8	Surface finish	Silver passivated
Type	Female	UL 94 flammability rating	V-0
Volume resistance	$\leq 1 \text{ m}\Omega$		

Connection data PE

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

Power contact

Clamping range, power contact, max.	35 mm ²	Clamping range, power contact, min.	16 mm ²
Number of poles, performance contact	6	Rated current (DIN EN 61984), power contact	100 A
Rated impulse voltage (DIN EN 61984), power contact	8 kV	Rated voltage (DIN EN 61984), power contact	690 V
Stripping length, performance contact	13 mm	Tightening torque, power contact, max.	8 Nm
Tightening torque, power contact, min.	6 Nm	Type of connection, power contact	Axial screw connection

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Technical data
Signal contact

AF size	SD 0.6 x 3.5	Clamping range, signal contact, max.	2.5 mm ²
Clamping range, signal contact, min.	0.5 mm ²	Number of poles, signal	6
Rated current (DIN EN 61984), signal	16 A	Rated impulse voltage (DIN EN 61984), signal	6 kV
Rated voltage (DIN EN 61984), signal contact	400 V	Stripping length, signal	12 mm
Tightening torque, signal contact, max.	0.8 Nm	Tightening torque, signal contact, min.	0.4 Nm
Type of connection, signal	Screw connection		

Version

Clamping screw	M 7 x 0.75 mm	Conductor cross-section, max.	35 mm ²
Conductor cross-section, min.	16 mm ²	Material	Copper alloy
Size	8	Stripping length, rated connection	13 mm
Surface finish	Silver passivated	Type of connection	Axial screw connection
Volume resistance	≤ 1 mΩ	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 6	Wire connection cross section, finely stranded, max.	35 mm ²
Wire connection cross-section, finely stranded, min.	16 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

