

HDC insert HDC S6 12 BAS

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 12 BAS
Order No.	1790010000
Version	HDC insert, Female, 630 V, 48 A, No. of poles: 18, Axial screw connection, Screw connection, Size: 6
GTIN (EAN)	4032248212071
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Length	84.5 mm	Width	34 mm
Height	47.3 mm	Net weight	146.3 g

Dimensions

Height of socket	47.3 mm	Total length base	84.5 mm
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General data

Size	6	Series	MixMate
Rated voltage (DIN EN 61984)	630 V	Rated voltage according to UL/CSA	600 V AC/DC
Rated impulse voltage (DIN EN 61984)	8 kV	Rated current (DIN EN 61984)	48 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	18	Plugging cycles, silver	≥ 500
Pollution severity	3	Type	Female

Connection data PE

Stripping length PE connection	8 mm	Wire connection cross-section, finely stranded, min.	2.5 mm ²
Wire connection cross section, finely stranded, max.	10 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm ²	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 8	Wire cross-section, solid, min.	2.5 mm ²
Wire cross-section, solid, max.	10 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	10 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)	48 A	Rated impulse voltage (DIN EN 61984)	8 kV
Rated voltage (DIN EN 61984)	630 V	Rated voltage according to UL/CSA	600 V AC/DC

Version

Wire connection cross section AWG, min.	AWG 14	Wire connection cross section AWG, max.	AWG 8
Stripping length, rated connection	8 mm	Type of connection	Axial screw connection, Screw connection
Min. torque for main contact	1.1 Nm	Max. torque for main contact	1.7 Nm
Size	6	Volume resistance	≤ 2mΩ
Clamping screw	M 8 x 0.75 mm	Surface finish	Silver passivated
Material	Copper alloy		

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Classifications

ETIM 2.0	EC001121	ETIM 3.0	EC002413
UNSPSC	30-21-18-01	eClass 4.1	27-14-08-05
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 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
Descriptive text accessories	Accessories, see chapter J - Tools, see chapter K

Approvals

Approvals



ROHS	Conform
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Data sheet...

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Drawings

