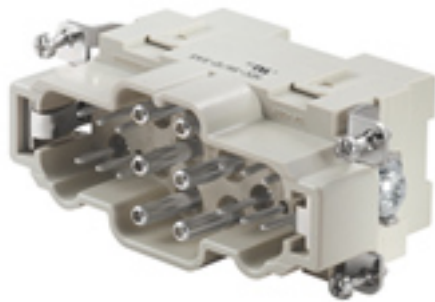


**HDC insert  
HDC S6 12 SAS**

**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 SAS
Order No.	<a href="#">1790000000</a>
Version	HDC insert, Male, 690 V, 48 A, No. of poles: 18, Axial screw connection, Screw connection, Size: 6
GTIN (EAN)	4032248212064
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	149.5 g

**Dimensions**

Height of plug	47.3 mm	Total length base	84.5 mm
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**General data**

Size	6	Series	MixMate
Rated voltage (DIN EN 61984)	690 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 <sup>10</sup> Ω	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
No. of poles	18	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.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	10 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	10 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 14
Wire connection cross section AWG, max.	AWG 8	Wire cross-section, solid, min.	2.5 mm <sup>2</sup>
Wire cross-section, solid, max.	10 mm <sup>2</sup>	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 <sup>2</sup>	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)	690 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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**Technical data**

**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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HDC S6 12 SAS**

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**Drawings**

