

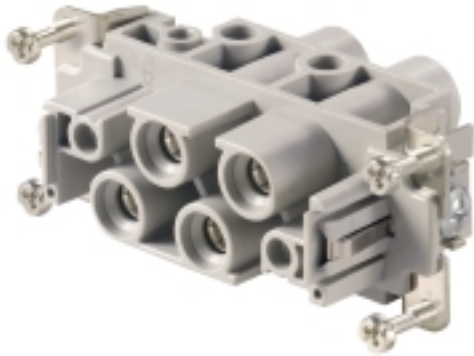
HDC S4/2 FS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	HDC insert, Female, 830 V, 80 A, Number of poles: 6, Screw connection, Size: 6
Order No.	1023230000
Type	HDC S4/2 FS
GTIN (EAN)	4032248739301
Qty.	1 pièce(s)

HDC S4/2 FS

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Caractéristiques techniques

Dimensions and weights

Depth	84,5 mm	Depth (inches)	3,327 inch
Height	46,2 mm	Height (inches)	1,819 inch
Width	34 mm	Width (inches)	1,339 inch
Net weight	109 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Dimensions

Height of socket	46,2 mm	Total length base	84,5 mm
Width	34 mm		

General data

BG	6	Colour	beige
Free from halogens	true	Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)
Insulating material group	IIIa	Insulation strength	10 ¹⁰ Ω
Low smoke acc. DIN EN 45545-2	Yes	Material	Copper alloy
Number of poles	6	Number of power contacts	4
Number of signal contacts	2	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	Female	Type of connection	Screw connection
UL 94 flammability rating	V-0	Volume resistance	≤1 mΩ

Connection data PE

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 cross section, AWG (PE), max.	AWG 6
Wire cross section, AWG (PE), min.	AWG 20		

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

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Rated current power circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	30 A
	Wire connection cross section AWG	AWG 12
	Rated current	35 A
	Wire connection cross section AWG	AWG 10
	Rated current	50 A
	Wire connection cross section AWG	AWG 8
	Rated current	70 A
Rated current power circuit (cUR)	Wire connection cross section AWG	AWG 6
	Rated current	80 A
	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 12
	Rated current	25 A
	Wire connection cross section AWG	AWG 10
	Rated current	29 A
Rated current signal circuit (UR)	Wire connection cross section AWG	AWG 8
	Rated current	33 A
	Wire connection cross section AWG	AWG 6
	Rated current	35 A
	Wire connection cross section AWG	AWG 14
	Rated current	16 A
	Wire connection cross section AWG	AWG 14
	Rated current	12 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	
Tightening torque, max.	2,2 Nm	
Tightening torque, min.	0,5 Nm	
Type of connection, power contact	Screw connection	

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	2	
Rated current (DIN EN 61984), signal	16 A	
Rated current power circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	30 A
	Wire connection cross section AWG	AWG 12
	Rated current	35 A
	Wire connection cross section AWG	AWG 10
	Rated current	50 A
	Wire connection cross section AWG	AWG 8
	Rated current	70 A
Wire connection cross section AWG	AWG 6	
Rated current	80 A	

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Caractéristiques techniques

Rated current power circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	15 A
	Wire connection cross section AWG	AWG 12
	Rated current	25 A
	Wire connection cross section AWG	AWG 10
	Rated current	29 A
	Wire connection cross section AWG	AWG 8
	Rated current	33 A
Rated current signal circuit (UR)	Wire connection cross section AWG	AWG 14
	Rated current	16 A
Rated current signal circuit (cUR)	Wire connection cross section AWG	AWG 14
	Rated current	12 A
Rated impulse voltage (DIN EN 61984), signal	6 kV	
Rated voltage (DIN EN 61984), signal contact	400 V	
Stripping length, signal	8 mm	
Tightening torque, max.	2,2 Nm	
Tightening torque, min.	0,5 Nm	
Type of connection, signal	Screw connection	

Version

BG	6	Blade size, slotted (screw connection)	SD 0.8 x 4.0
Clamping screw	M 6	Conductor cross-section, max.	16 mm ²
Conductor cross-section, min.	1,5 mm ²	Material	Copper alloy
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, min.	0,5 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 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
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ECLASS 9.0	27-44-02-05	ECLASS 9.1	27-44-02-05
ECLASS 10.0	27-44-02-05	ECLASS 11.0	27-44-02-05
ECLASS 12.0	27-44-02-05	ECLASS 13.0	27-44-02-05
ECLASS 14.0	27-44-02-05		

Substance	Acetone
Chemical resistance	Resistant
Substance	Ammonia, watery
Chemical resistance	Conditionally resistant
Substance	Petrol

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Niveau du catalogue 26.11.2024 / Toutes modifications techniques réservées

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Caractéristiques techniques

Chemical resistance	Resistant
Substance	Benzene
Chemical resistance	Resistant
Substance	Diesel oil
Chemical resistance	Conditionally resistant
Substance	Acetic acid, concentrated
Chemical resistance	Resistant
Substance	Potassium hydroxide
Chemical resistance	Conditionally resistant
Substance	Methanol
Chemical resistance	Conditionally resistant
Substance	Motor oil
Chemical resistance	Conditionally resistant
Substance	Lye, diluted
Chemical resistance	Resistant
Substance	Hydrochlorofluorocarbons
Chemical resistance	Conditionally resistant
Substance	Outdoor use
Chemical resistance	Conditionally resistant

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@237083ca de.myview.objectmodel.impl.BlockImpl@3f4b8914 de.myview.objectmodel.impl.BlockImpl@125c809c de.myview.objectmodel.impl.BlockImpl@419b072e de.myview.objectmodel.impl.BlockImpl@66d2b204 de.myview.objectmodel.impl.BlockImpl@5b294e3 de.myview.objectmodel.impl.BlockImpl@739caca9 de.myview.objectmodel.impl.BlockImpl@6aa77783 de.myview.objectmodel.impl.BlockImpl@1916ba41 de.myview.objectmodel.impl.BlockImpl@892200c de.myview.objectmodel.impl.BlockImpl@1efd2c53 de.myview.objectmodel.impl.BlockImpl@4f375b60

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

Fiche de données**HDC S4/2 FS****Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Caractéristiques techniques****Downloads**

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Dessins