

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

General ordering data

Version	HDC insert, Female, 1000 V, 40 A, Number of poles: 4, Axial screw connection, Size: 3
Order No.	1789980000
Type	HDC S4 BAS
GTIN (EAN)	40322482 12040
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	51 mm	Depth (inches)	2.008 inch
Height	40.4 mm	Height (inches)	1.591 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	75.2 g		

Temperatures

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

Height of socket	40.4 mm	Total length base	51 mm
Width	34 mm		

General data

BG	3		
Colour	beige		
Conductor cross-section	10 mm ²		
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	4		
Number of power contacts	4		
Plugging cycles, silver	≥ 500		
Pollution severity	3		
Rated current (DIN EN 61984)	40 A		
Rated current (UR)	Wire connection cross section AWG	AWG 8	
	Rated current	10 A	
Rated current (cUR)	Wire connection cross section AWG	AWG 8	
	Rated current	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	Female		
Type of connection	Axial screw connection		
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	10 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 cross section, AWG (PE), max.	AWG 11
Wire cross section, AWG (PE), min.	AWG 14		

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Catalogue status 26.11.2024 / We reserve the right to make technical changes.

2

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Technical data

Power contact

Clamping range, power contact, max.	10 mm ²	Clamping range, power contact, min.	2.5 mm ²
Hexagon socket	2 mm	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

BG	3	Conductor cross-section, max.	10 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.	10 mm ²
Wire connection cross section, finely stranded, min.	2.5 mm ²	Wire cross-section, solid, max.	10 mm ²
Wire cross-section, solid, min.	2.5 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
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

Data sheet

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Technical data

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
SCIP	c4c4c9fc-7957-49de-b5fd-516c2623a8c3
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@886a75b de.myview.objectmodel.impl.BlockImpl@7cac7cf6 de.myview.objectmodel.impl.BlockImpl@7b28921a de.myview.objectmodel.impl.BlockImpl@59cede04 de.myview.objectmodel.impl.BlockImpl@644f1619 de.myview.objectmodel.impl.BlockImpl@7b1b9daa de.myview.objectmodel.impl.BlockImpl@449c6891 de.myview.objectmodel.impl.BlockImpl@6b8da0f8 de.myview.objectmodel.impl.BlockImpl@776e8c4e de.myview.objectmodel.impl.BlockImpl@503fb9c4 de.myview.objectmodel.impl.BlockImpl@77409bb2 de.myview.objectmodel.impl.BlockImpl@71cc7fc2

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E310075

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
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