

**HDC S4 SAS****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, Male, 1000 V, 40 A, Number of poles: 4, Axial screw connection, Size: 3
Order No.	<a href="#">1789990000</a>
Type	HDC S4 SAS
GTIN (EAN)	4032248212057
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	51 mm	Depth (inches)	2.008 inch
Height	41.3 mm	Height (inches)	1.626 inch
Width	34 mm	Width (inches)	1.339 inch
Net weight	78.7 g		

## Temperatures

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

Height of plug	41.3 mm	Total length base	51 mm
Width	34 mm		

## General data

BG	3		
Colour	beige		
Conductor cross-section	10 mm <sup>2</sup>		
Free from halogens	true		
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)		
Insulating material group	IIIa		
Insulation strength	10 <sup>10</sup> 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	Male		
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 <sup>2</sup>
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.

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**Technical data**

**Power contact**

Clamping range, power contact, max.	10 mm <sup>2</sup>	Clamping range, power contact, min.	2.5 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross-section, min.	2.5 mm <sup>2</sup>	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 <sup>2</sup>
Wire connection cross section, finely stranded, min.	2.5 mm <sup>2</sup>	Wire cross-section, solid, max.	10 mm <sup>2</sup>
Wire cross-section, solid, min.	2.5 mm <sup>2</sup>		

**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@44d747e2 de.myview.objectmodel.impl.BlockImpl@7b45b391 de.myview.objectmodel.impl.BlockImpl@4681bb6c de.myview.objectmodel.impl.BlockImpl@fe81f37 de.myview.objectmodel.impl.BlockImpl@71feb17f de.myview.objectmodel.impl.BlockImpl@27f15dea de.myview.objectmodel.impl.BlockImpl@6c60c8a3 de.myview.objectmodel.impl.BlockImpl@23be73bf de.myview.objectmodel.impl.BlockImpl@274f5bfe de.myview.objectmodel.impl.BlockImpl@a7c4cf0 de.myview.objectmodel.impl.BlockImpl@6033b8cc de.myview.objectmodel.impl.BlockImpl@30401cfe

**Approvals**

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

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

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**Drawings**

