

## HDC S4 SAS

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Installation size: 3
Order No.	<a href="#">1789990000</a>
Type	HDC S4 SAS
GTIN (EAN)	4032248212057
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E92202

**Dimensions and weights**

Depth	51 mm	Depth (inches)	2.0079 inch
Height	41.3 mm	Height (inches)	1.626 inch
Width	34 mm	Width (inches)	1.3386 inch
Net weight	78.7 g		

**Temperatures**

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

**Dimensions**

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

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## Technical data

## General data

Number of poles	4	
Tightening torque	0.5 Nm	
Plugging cycles, silver	≥ 500	
Plugging cycles, gold	≥ 500	
Type of connection	Axial screw connection	
Installation size	3	
UL 94 flammability rating	V-0	
Volume resistance	≤ 1 mΩ	
Colour	beige	
Insulation resistance	1010 Ω	
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	
Insulating material group	IIIa	
Conductor cross-section	10 mm <sup>2</sup>	
Tightening torque, max. PE connection	0.8 Nm	
Surface finish	Silver passivated	
Type	Male	
Pollution severity	3	
Tightening torque, min. PE connection	0.5 Nm	
Basic material	Copper alloy	
Series	MixMate	
Rated voltage (DIN EN 61984)	1000 V	
Rated voltage according to UL/CSA	600 V AC/DC	
Rated impulse voltage (DIN EN 61984)	8 kV	
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
Free from halogens	true	
Low smoke acc. DIN EN 45545-2	Yes	
BG	3	
Number of power contacts	4	

## Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.6 x 3.5
Stripping length PE connection	8 mm	Tightening torque, max. PE connection	0.8 Nm
Tightening torque, min. PE connection	0.5 Nm	Fixing screw	M 4
Rated cross-section	10 mm <sup>2</sup>	Wire cross section, AWG (PE), min.	AWG 14
Wire cross section, AWG (PE), max.	AWG 11		

## Power contact

Type of connection, power contact	Axial screw connection	Number of poles, performance contact	4
Tightening torque, power contact, max.	1.7 Nm	Tightening torque, power contact, min.	1.1 Nm
Stripping length, performance contact	8 mm	Clamping range, power contact, max.	10 mm <sup>2</sup>
Clamping range, power contact, min.	2.5 mm <sup>2</sup>	Rated voltage (DIN EN 61984), power contact	1000 V
Rated impulse voltage (DIN EN 61984), power contact	8 kV	Rated current (DIN EN 61984), power contact	40 A
Hexagon socket	2 mm		

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## Technical data

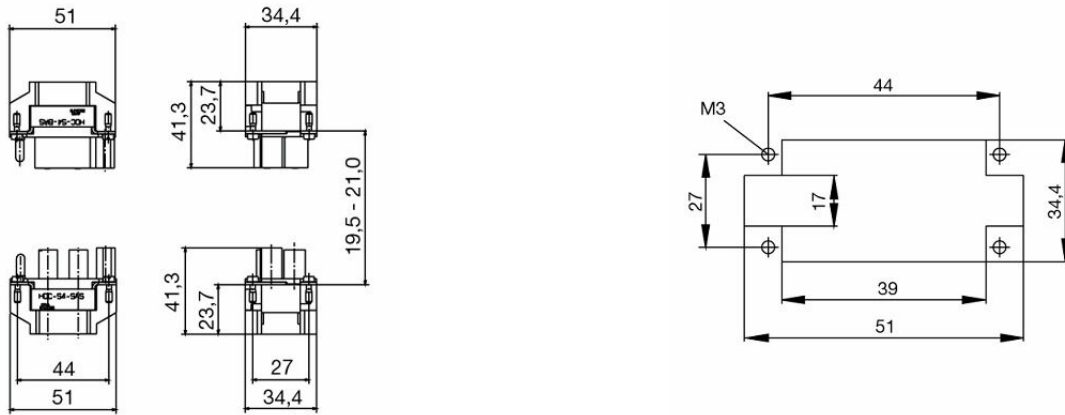
### Version

Wire connection cross section AWG, max.	AWG 11	Stripping length, rated connection	8 mm
Type of connection	Axial screw connection	Installation size	3
Volume resistance	≤1 mΩ	Wire connection cross section AWG, min.	AWG 14
Wire cross-section, solid, max.	10 mm <sup>2</sup>	Wire cross-section, solid, min.	2.5 mm <sup>2</sup>
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>
Conductor cross-section, max.	10 mm <sup>2</sup>	Conductor cross-section, min.	2.5 mm <sup>2</sup>
Surface finish	Silver passivated	Basic material	Copper alloy
BG	3		

### Classifications

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Drawings



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## Accessories

### Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

### General ordering data

Type	SK WSD-S 1,5-10,0	Version	
Order No.	<a href="#">9008850000</a>	Mounting tool	
GTIN (EAN)	4032248266609		
Qty.	1 ST		

### Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

### General ordering data

Type	SDIS 0.6X3.5X100	Version	
Order No.	<a href="#">9008390000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056354		
Qty.	1 ST		
Type	SDS 0.6X3.5X100	Version	
Order No.	<a href="#">9008330000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056286		
Qty.	1 ST		