

**RS 8AI1AO MICRO SD S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Similar to illustration

The analogue interfaces are equipped with SubD connectors. Thus they offer sufficient shielding for analogue signal transmission. They are also equipped with very useful isolators and test sockets for measuring voltage or current.

**General ordering data**

Version	Interface, RS, 1-wire, Screw connection
Order No.	<a href="#">9448040000</a>
Type	RS 8AI1AO MICRO SD S
GTIN (EAN)	4032248253357
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	72 mm	Depth (inches)	2.835 inch
Height	87 mm	Height (inches)	3.425 inch
Width	100 mm	Width (inches)	3.937 inch
Net weight	210 g		

## Temperatures

Storage temperature	-40...60 °C	Operating temperature	-20...50 °C
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## General data

LED status display per channel	No	Disconnection per channel	Yes
Voltage point of measurement	Yes	Current-measuring testpoint	No
Type of test point	No	LED status of the supply voltage	No
Power supply fuse	No	Common pole polarity	Yes

## Connection data

Connection supply	LL2N 5.08 mm	Number of poles (control side)	15-pole plug
Protective earth connection	Shielding in SUB-D plug-in connector	Wiring system	1-wire

## Ratings data

Operating voltage	≤ 25 V AC / 50 V DC	Max. current for common pole	3.15 A
Max. current per channel	0.5 A		

## Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	<50 V AC
Surge voltage category	III	Pollution severity level	2
Pulse voltage test (1,2/50µs)	0.8 kV	Insulation test voltage AC	0.35 kV

## Connection field

Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection		

## Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible with sleeve, max.	2.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.5 mm <sup>2</sup>	Ferrule with plastic collar, max.	2.5 mm <sup>2</sup>
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Creation date June 4, 2024 9:20:32 AM CEST

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## Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ECLASS 9.0	27-14-11-52	ECLASS 9.1	27-14-11-52
ECLASS 10.0	27-14-11-52	ECLASS 11.0	27-14-11-52
ECLASS 12.0	27-14-11-52	ECLASS 13.0	27-14-11-52

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aeee3697a

## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Product Change Notification	<a href="#">20220525 Technical change to RS and RSM</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**