

**RS 8AI0 I-M-DP SD Z****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, Spacer, 2-wire, Tension-clamp connection
Order No.	<a href="#">9449110000</a>
Type	RS 8AI0 I-M-DP SD Z
GTIN (EAN)	4032248253487
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	81 mm	Depth (inches)	3.189 inch
Height	109 mm	Height (inches)	4.291 inch
Width	114 mm	Width (inches)	4.488 inch
Net weight	327 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	Yes
Type of test point	Diameter: 4 mm	LED status of the supply voltage	No
Power supply fuse	3.15 A	Common pole polarity	Positive or negative can be selected using jumper

## Connection data

Connection (field side)	LMNZF 5.08mm	Connection on control side	D-sub connectors, acc. to IEC 60807 / DIN 41652
Connection supply	LMNZF 5.08mm	Number of poles (control side)	25-pole plug
Protective earth connection	Shielding in SUB-D plug-in connector	Wiring system	2-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.	2.5 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	1.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Max. wire cross-section, AWG	AWG 14
Min. wire cross-section, AWG	AWG 26	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	7 mm
Type of connection	Tension-clamp connection		

## Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.25 mm <sup>2</sup>	Ferrule with plastic collar, max.	1.5 mm <sup>2</sup>
Wire cross-section, min. AWG	AWG 24	Wire cross-section, max. AWG	AWG 14
Stripping length	7.5 mm		

## RS 8AIO I-M-DP SD Z

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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
UL File Number Search	UL Website
Certificate No. (UR)	E141197

## 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> <a href="#">Technical change to module RS 8AIO I-M-DP SD Z</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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