

**RS**  
**RS 16AIO I-M-DP SD Z****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

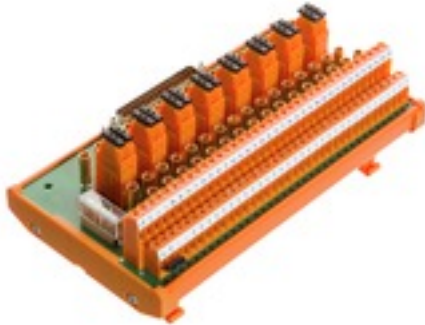
D-32758 Detmold

Germany

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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**

Type	RS 16AIO I-M-DP SD Z
Order No.	<a href="#">1308280000</a>
Version	Interface, RS, 2-wire, Tension-clamp connection
GTIN (EAN)	4050118110630
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Length	197 mm	Length (inches)	7.756 inch
Width	109 mm	Width (inches)	4.291 inch
Height	81 mm	Height (inches)	3.189 inch
Net weight	505.86 g		

**Temperatures**

Operating temperature, max.	50 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-20...50 °C	Storage temperature	-40...60 °C

**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 on control side	D-sub connectors, acc. to IEC 60807 / DIN 41652	Number of poles (control side)	37-pole plug
Connection (field side)	LMNZF 5.08mm	Connection supply	LMNZF 5.08mm
Wiring system	2-wire	Protective earth connection	Shielding in SUB-D plug-in connector

**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	0.35 kVAC

**Connection field**

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	0.5 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>	Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

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**Technical data****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	0.5 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		

**Classifications**

ETIM 6.0	EC002780	ETIM 7.0	EC002780
eClass 9.0	27-14-11-52	eClass 9.1	27-14-11-52
eClass 10.0	27-14-11-52	UNSPSC	30-21-18-01

**Approvals**

Approvals



ROHS

Conform

**Downloads**

Brochure/Catalogue [CAT 4.5 ELECTR 16/17 EN](#)

**Data sheet**

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**Drawings**

