

RS
RS 16AIO DP SD Z**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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

Type	RS 16AIO DP SD Z
Order No.	1308270000
Version	Interface, RS, 2-wire, Tension-clamp connection
GTIN (EAN)	4050118110623
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	205 mm	Length (inches)	8.071 inch
Width	87 mm	Width (inches)	3.425 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	351 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	No
Voltage point of measurement	No	Current-measuring testpoint	No
Type of test point	No	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 ²
Clamping range, max.	2.5 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Sleeve with plastic collar, max.	2.5 mm ²
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		

Data sheet

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Technical data

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Ferrule with plastic collar, max.	2.5 mm ²
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

