

**RS
RS 8AI PREM/APR SD S**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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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 8AI PREM/APR SD S
Order No.	9448030000
Version	Interface, RS, 2-wire, Screw connection
GTIN (EAN)	4032248253333
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	116 mm	Length (inches)	4.567 inch
Width	87 mm	Width (inches)	3.425 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	238 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	No	Current-measuring testpoint	No
Type of test point	No	LED status of the supply voltage	No
Power supply fuse	No	Common pole polarity	Positive or negative can be selected using jumper

Connection data

Connection to PLC	25-pole D-SUB male connector	Connection on control side	D-sub connectors, acc. to IEC 60807 / DIN 41652
Number of poles (control side)	25-pole plug	Connection (field side)	LP2N 5.08mm
Connection supply	LP2N 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	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 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		

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Technical data
Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 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 3.0	EC001423	ETIM 4.0	EC001423
ETIM 5.0	EC001423	ETIM 6.0	EC002780
UNSPSC	30-21-18-01	eClass 5.1	27-24-22-08
eClass 6.2	27-24-22-08	eClass 7.1	27-14-11-52
eClass 8.1	27-14-11-52	eClass 9.0	27-14-11-52
eClass 9.1	27-14-11-52		

Approvals

Approvals



ROHS

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Engineering Data

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Data sheet

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Drawings

