

RS 4AI0 I-M-DP SD S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Screw connection
Order No.	9448 100000
Type	RS 4AI0 I-M-DP SD S
GTIN (EAN)	4032248253395
Qty.	1 pc(s).

RS 4AIO I-M-DP SD 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	73 mm	Width (inches)	2.874 inch
Net weight	244 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-20...50 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Operating temperature UL, max.	50 °C	Operating temperature UL, min.	0 °C
Rated current I_{max}	0.5 A	Rated voltage U_N	≤ 25 V AC 50 V DC
Rated voltage DC U_N (supply)	24 V DC $\pm 10\%$	Rated current (supply)	3 A
Rated voltage fuse U_N (supply)	250 V	Rated current fuse (supply)	3.15 A

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)	LP2N 5.08mm	Connection on control side	D-sub connectors, acc. to IEC 60807 / DIN 41652
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	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	0.35 kVAC

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Connection field

Clamping range, max.	6 mm ²	Clamping range, min.	0.13 mm ²
Flexible with sleeve, max.	2.5 mm ²	Flexible with sleeve, min.	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	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 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 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	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		

Approvals

Approvals



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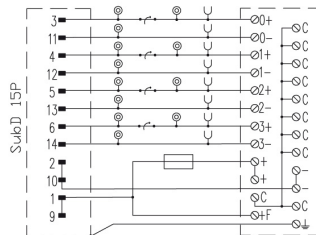
Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format

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