

RS 16IO 1W I R S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

The digital direct input/output interfaces are supplied with flat cable connectors to facilitate connection. They are available in tension clamp or clamping yoke connection, with elements such as fuses, disconnectors or LEDs.

General ordering data

Version	Interface, RS, Spacer, 1-wire, Screw connection
Order No.	9441860000
Type	RS 16IO 1W I R S
GTIN (EAN)	4032248254088
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	72 mm	Height (inches)	2.835 inch
Length	127 mm	Length (inches)	5 inch
Net weight	298 g	Width	87 mm
Width (inches)	3.425 inch		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Rated data UL

Certificate No. (cURus)	E141197
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General data

LED status display per channel	No	Disconnection per channel	Yes
Type of test point	No	Fuse per channel	No
LED status of the supply voltage	No	Power supply fuse	3.15 A
Common pole polarity	No		

Connection data

Connection (field side)	LP 5.08mm	Connection on control side	Connector RSV 1.6
Number of poles (control side)	24-pole female	Wiring system	1-wire

Ratings data

Operating voltage	250 V UC	Max. current per channel	1 A
Total operating current	2 A		

Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	< 250 V AC
Surge voltage category	II	Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.1 kV	Insulation test voltage	1.7 kVAC

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		

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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

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ECLASS 9.0	27-14-11-52	ECLASS 9.1	27-24-22-16
ECLASS 10.0	27-14-11-52	ECLASS 11.0	27-14-11-52

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	WSCAD

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Drawings

