

RS
RS 16IO 2W F R S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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www.weidmueller.com



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

Type	RS 16IO 2W F R S
Order No.	9441560000
Version	Interface, RS, Fuse, 2-wire, Screw connection
GTIN (EAN)	4032248253814
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	123 mm	Length (inches)	4.843 inch
Width	109 mm	Width (inches)	4.291 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	400 g		

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-25...50 °C	Storage temperature	-40...60 °C

General data

LED status display per channel	No	Disconnection per channel	No
Type of test point	No	Fuse per channel	1 A
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 to PLC	RSV 1.6 connector - 24 pole	Connection on control side	Connector RSV 1.6
Number of poles (control side)	24-pole female	Connection (field side)	LP2N 5.08mm
Wiring system	2-wire		

Ratings data

Operating voltage	150 V UC	Max. current per channel	1 A
Total operating current	2 A		

Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	< 150 V AC
Surge voltage category	II	Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV	Insulation test voltage	1.1 kVAC

Connection field

Type of connection	Screw 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		

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²		

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Technical data**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	27-24-22-16		

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	K246_09_02.pdf
Engineering Data	WSCAD

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Drawings

