

**RS  
RS 16IO 1W I-L H Z**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
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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 1W I-L H Z
Order No.	<a href="#">1311780000</a>
Version	Interface, RS, Spacer, LED, 1-wire, Tension-clamp connection
GTIN (EAN)	4050118114218
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	110 mm	Length (inches)	4.331 inch
Width	87 mm	Width (inches)	3.425 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	191.67 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	green	Disconnection per channel	Yes
Type of test point	No	Fuse per channel	No
LED status of the supply voltage	yellow	Power supply fuse	3.15 A
Common pole polarity	Yes		

**Connection data**

Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651	Number of poles (control side)	20-pole plug
Connection (field side)	LM2NZF 5.08mm	Wiring system	1-wire

**Ratings data**

Operating voltage	24 V DC $\pm$ 10%	Max. current per channel	1 A
Total operating current	2 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 (1,2/50 $\mu$ s)	0.8 kV	Insulation test voltage	0.35 kVAC

**Connection field**

Type of connection	Tension-clamp connection	Clamping range, min.	0.14 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible with sleeve, max.	2.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.5 mm <sup>2</sup>	Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 14
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	7 mm		

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**Technical data**

**Supply connection**

Type of connection	Tension-clamp connection	Clamping range, min.	0.14 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.5 mm <sup>2</sup>	Ferrule with plastic collar, max.	1.5 mm <sup>2</sup>
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	27-24-22-16
eClass 10.0	27-14-11-52		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Brochure/Catalogue [CAT 4.5 ELECTR 16/17 EN](#)

**Data sheet**

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**Drawings**

