

## RS RS 16IO 1W H Z

**Weidmüller Interface GmbH & Co. KG**  
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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 H Z
Order No.	<a href="#">1311750000</a>
Version	Interface, RS, 1-wire, Tension clamp connection
GTIN (EAN)	4050118114225
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	46 mm	Width	87 mm
Height	72 mm	Net weight	132 g

### Temperatures

Operating temperature	-25...+50°C	Storage temperature	-40...+60 °C
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### General data

LED status display per channel	No	Disconnection per channel	No
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	No		

### Connection data

Connection on control side	Connector according 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	25 V AC / 50 V DC	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 (1,2/50µs)	0.8 kV	Insulation test voltage	0.35 kVAC

### Connection field

Type of connection	Tension clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 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 [field]	AWG 26	Max. wire cross-section, AWG [field]	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

### Supply connection

Type of connection	Tension clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 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>	Ferrule with plastic collar, max.	2.5 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		

**Datenblatt****RS  
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eClass 6.2	27-14-11-52	eClass 7.1	27-14-11-52
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**Approvals**

Approvals



ROHS	Conform
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**Zeichnungen**

