

RS 16IO 1W I-L H Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Interface, RS, Spacer, LED, 1-wire, Tension-clamp connection
Order No.	1311780000
Type	RS 16IO 1W I-L H Z
GTIN (EAN)	4050118114218
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	72 mm	Height (inches)	2.835 inch
Length	110 mm	Length (inches)	4.331 inch
Net weight	191.67 g	Width	87 mm
Width (inches)	3.425 inch		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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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 (field side)	LM2NZF 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Number of poles (control side)	20-pole plug	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 μ s)	0.8 kV	Insulation test voltage	0.35 kVAC

Connection field

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

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.14 mm ²
Clamping range, max.	1.5 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	1.5 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible with sleeve, max.	1.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Ferrule with plastic collar, max.	1.5 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		

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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

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Drawings

