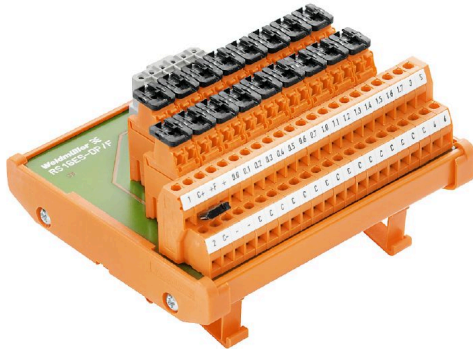


RS 16IO 2W F R S

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

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

Dimensions and weights

Depth	72 mm	Depth (inches)	2.8346 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	123 mm	Width (inches)	4.8425 inch
Net weight	350.24 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

Rated data UL

Rated current IN	1 A	Operating temperature UL, min.	0 °C
Operating temperature UL, max.	25 °C	Rated current I _{max}	1 A
Rated voltage UN	142 V	Rated voltage DC UN (supply)	24 V
Rated current (supply)	3 A	Rated voltage fuse UN (supply)	250 V
Rated current fuse (supply)	3.15 A	Rated voltage fuse UN (channel)	250 V
Rated current fuse (channel)	1 A		

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

Number of poles (control side)	24-pole female	Wiring system	2-wire
Connection (field side)	LM2N 5.08 mm	Connection on control side	Connector RSV 1.6

Ratings data

Operating voltage	150 V UC	Max. current per channel	1 A
Total operating current	3 A		

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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 AC	1.1 kV

Connection field

Min. wire cross-section, AWG	AWG 26	Type of connection	Screw connection
Sleeve with plastic collar, max.	2.5 mm ²	Flexible with sleeve, min.	0.25 mm ²
Flexible with sleeve, max.	1.5 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Solid, min. H05(07) V-U	0.2 mm ²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Clamping range, max.	2.5 mm ²	Clamping range, min.	0.2 mm ²
Max. wire cross-section, AWG	AWG 14		

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.2 mm ²
Clamping range, max.	2.5 mm ²		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	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	ECLASS 12.0	27-14-11-52
ECLASS 13.0	27-14-11-52	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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Drawings

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