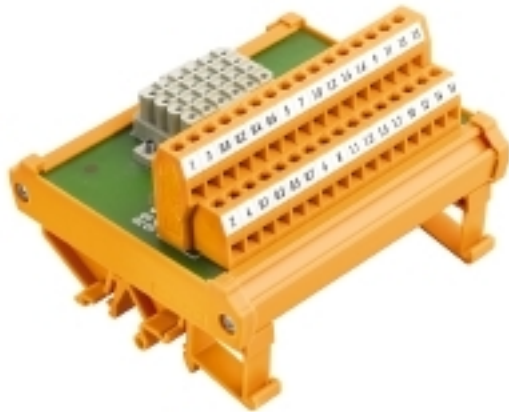


RS 16IO 1W R S**Weidmüller Interface GmbH & Co. KG**

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, 1-wire, Screw connection
Order No.	9441500000
Type	RS 16IO 1W R S
GTIN (EAN)	4032248253807
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	68 mm	Depth (inches)	2.677 inch
Height	87 mm	Height (inches)	3.425 inch
Width	97 mm	Width (inches)	3.819 inch
Net weight	207 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Rated data UL

Operating temperature UL, max.	25 °C	Operating temperature UL, min.	0 °C
Rated current I_N	1 A	Rated current I_{max}	1 A
Rated voltage U_N	142 V	Rated voltage DC U_N (supply)	24 V
Rated current (supply)	3 A		

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	No	Power supply fuse	No
Common pole polarity	No		

Connection data

Connection (field side)	LM2N 5.08 mm	Connection on control side	Connector RSV 1.6
Number of poles (control side)	24-pole female	Wiring system	1-wire

Ratings data

Operating voltage	150 V UC	Max. current per channel	1 A
Total operating current	3 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 AC	1.1 kV

Connection field

Clamping range, max.	2.5 mm ²	Clamping range, min.	0.2 mm ²
Flexible with sleeve, max.	1.5 mm ²	Flexible with sleeve, min.	0.25 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible, min. H05(07) V-K	0.2 mm ²
Max. wire cross-section, AWG	AWG 14	Min. wire cross-section, AWG	AWG 24
Sleeve with plastic collar, max.	1.5 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
Type of connection	Screw connection		

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Technical data

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.2 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	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

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		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	20210310 Technical change to RS and RSM modules
Catalogues	Catalogues in PDF-format

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Drawings

