

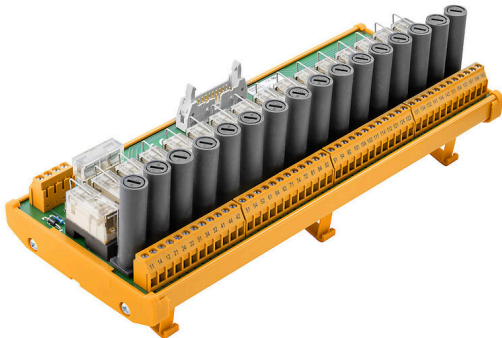
**RSM-16 FUS 1CO S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Digital output interface per-relay for electrical signal transmission between the PLC and the field.

- Electrical isolation by pluggable relays.
- Integrated LED status display.
- Screw or tension clamp-connection.
- Additional functions: in-series fuse or isolator
- 2 versions available: compact (RSS relay) or standard (RCL relay).

**General ordering data**

Version	Interface, RSM, 16 with fuse, RCL, Screw connection
Order No.	<a href="#">9445 120000</a>
Type	RSM-16 FUS 1CO S
GTIN (EAN)	403224825283 1
Qty.	1 items

## RSM-16 FUS 1CO S

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E141197

## Dimensions and weights

Depth	75 mm	Depth (inches)	2.9527 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	261 mm	Width (inches)	10.2756 inch
Net weight	955 g		

## Temperatures

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

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1, 4,4'-isopropylidenediphenol 80-05-7
SCIP	66e752f3-a24f-4fef-89c4-f29f52d01390

## Rated data UL

Rated current IN	20 mA	Operating temperature UL, min.	0 °C
Operating temperature UL, max.	25 °C	Rated voltage DC UN (supply)	24 V
Rated current (supply)	2 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)	5 A	Rated voltage DC UN (input)	24 V
Rated voltage AC UN (output)	250 V	Rated current I <sub>max</sub> (output)	5 A

## General data

LED status display per relay	green	Fuse per relay	5 A
LED status of the supply voltage	yellow	Power supply fuse	3.15 A

## Connection data

Number of poles (control side)	20-pole plug	Connection supply	LL 5.08 mm
Connection (field side)	LL 5.08 mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651

## Rating data

Mechanical service life	3 x 10 <sup>7</sup> switching cycles
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## Ratings data input

Input voltage	24 V DC ± 10%	Input current	20 mA
Power rating	0.4 VA		

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## Ratings data output

Relay type	RCL	Type of output	Potential-free contact
Material of contacts	AgNi 90/10	Rated voltage	≤ 250 Vdc ≤ 250 Vac
Max. AC continuous current	5 A	AC peak current	16 A
Minimum contact current	0.01 A	Minimum contact voltage	10 V

## Insulation coordinates (EN50178)

According to	DIN EN 50178	Rated input insulation voltage	<50 V AC
Rated output insulation voltage	<250 V AC	Overvoltage category input/input	III
Overvoltage category input/output	III	Overvoltage category output/output	II
Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage AC	1.2 kV	Clearance input/output	≥ 5.5 mm
Clearance input/input	≥ 0.2 mm	Clearance output/output	≥ 1.17 mm

## Connection field

Min. wire cross-section, AWG	AWG 26	Type of connection	Screw connection
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12		

## Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 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		

## Classifications

ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	EC002780	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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**Drawings**

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