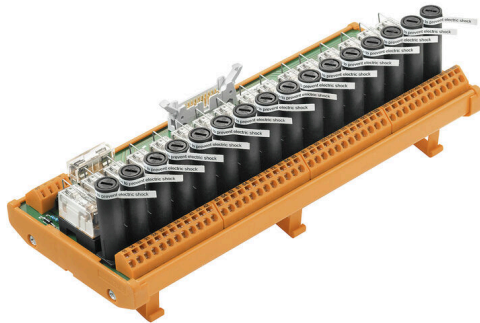


RSM-16 FUS 1CO Z

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, Tension-clamp connection
Order No.	9447 120000
Type	RSM-16 FUS 1CO Z
GTIN (EAN)	4032248253128
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	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	794.5 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

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 current fuse (supply)	3.15 A	Rated current fuse (channel)	5 A
Rated voltage DC UN (input)	24 V	Rated voltage AC UN (output)	250 V
Rated current I _{max} (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	LMNZF 5.08mm
Connection (field side)	LMNZF 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN4 1651

Rating data

Mechanical service life	3 x 10 ⁷ 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	Oversvoltage category input/input	III
Oversvoltage category input/output	III	Oversvoltage 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	Tension-clamp connection
Flexible with sleeve, max.	1.5 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
Flexible, min. H05(07) V-K	0.5 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
Clamping range, max.	1.5 mm ²	Clamping range, min.	0.15 mm ²
Max. wire cross-section, AWG	AWG 14		

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.15 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
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 14
Stripping length	7 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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