

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.	9447120000
Type	RSM-16 FUS 1CO Z
GTIN (EAN)	4032248253128
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	75 mm	Depth (inches)	2.953 inch
Height	109 mm	Height (inches)	4.291 inch
Width	261 mm	Width (inches)	10.276 inch
Net weight	794.5 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...40 °C
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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

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

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		

Ratings data output

Relay type	RCL	Type of output	Potential-free contact
Contact material	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

Clamping range, max.	1.5 mm ²	Clamping range, min.	0.15 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	0.5 mm ²	Max. wire cross-section, AWG	AWG 14
Min. wire cross-section, AWG	AWG 26	Solid, max. H05(07) V-U	1.5 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	Stripping length	7 mm
Type of connection	Tension-clamp connection		

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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 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1 4,4'-isopropylidenediphenol 80-05-7
SCIP	66e752f3-a24f-4fef-89c4-f29f52d01390

Approvals

Approvals



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
Catalogues	Catalogues in PDF-format

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Drawings

