

RSM-8 48V- 1CO Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

Relay bases (RSM) with common positive and negative to be connected to PLC or other type of controllers. The interfaces are made up of groups of 4, 8 or 16 RCL relays (12.7 mm) or RSS (6.1 mm). The connection to the controller can be set up using pluggable connectors or using direct cabling with IEC 60603-13 connectors. Wide range of options:

- 1 or 2 CO contacts with 16/8/6 A relays
- Voltages from 5 to 230 V
- Screw, tension clamp or PUSH IN connection
- Compatible with Weidmüller's solid-state relays

The range of relays provides galvanic isolation between input/output as well as between the adjacent contacts on the relays. This enables the various voltages in the controllers and those required by the various field elements to be safely adapted.

General ordering data

Version	Interface, RSM, PUSH IN
Order No.	1447940000
Type	RSM-8 48V- 1CO Z
GTIN (EAN)	4050118252576
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-02-10T00:00:00+01:00

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	66 mm	Depth (inches)	2.5984 inch
Height	87 mm	Height (inches)	3.4252 inch
Width	130 mm	Width (inches)	5.1181 inch
Net weight	259 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)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	71d9bdc4-a0b5-4af0-93bd-2ad4e523fb14

Rated data UL

Operating temperature UL, min.	0 °C	Operating temperature UL, max.	25 °C
Rated voltage DC UN (supply)	48 V	Rated current (supply)	1 A
Rated voltage DC UN (input)	48 V	Rated voltage AC UN (output)	250 V
Rated current I _{max} (output)	4.6 A		

General data

LED status display per relay	green	LED status of the supply voltage	yellow
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Connection data

Connection (field side)	LMFS 5.08 mm	Connection on control side	LMFS 5.08 + plug-in connector in acc. with IEC60603-13 / DIN41651, 10-pin
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Rating data

Mechanical service life	30 x 10 ⁶ switching cycles
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Ratings data input

Input voltage	48 V DC ± 10%	Input current	8.7 mA
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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 V AC
Max. AC continuous current	6 A	Minimum contact current	0.1 A
Minimum contact voltage	5 V		

Insulation coordination (EN50178)

Pollution severity level	2	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage AC	1.2 kV		

Insulation coordinates (EN50178)

Rated input insulation voltage	<50 V AC	Rated output insulation voltage	250 V AC
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

Connection field

Min. wire cross-section, AWG	AWG 26	Type of connection	PUSH IN
Flexible with sleeve, max.	2.5 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
Flexible, min. H05(07) V-K	0.02 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Solid, min. H05(07) V-U	0.12 mm ²	Stripping length	10 mm
Clamping range, max.	2.5 mm ²	Clamping range, min.	0.12 mm ²
Max. wire cross-section, AWG	AWG 12		

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		