

**RSM-16 12V+ 2CO Z****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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**

Interface, RSM, Tension-clamp connection	
Version	Interface, RSM, Tension-clamp connection
Order No.	<a href="#">1449190000</a>
Type	RSM-16 12V+ 2CO Z
GTIN (EAN)	4050118253429
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Depth	66 mm	Depth (inches)	2.598 inch
Height	109 mm	Height (inches)	4.291 inch
Width	290 mm	Width (inches)	11.417 inch
Net weight	800.018 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 voltage DC $U_N$ (supply)	12 V	Rated current (supply)	1 A
Rated voltage DC $U_N$ (input)	12 V	Rated voltage AC $U_N$ (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)	LM2NZF 5.08mm	Connection on control side	LMZF 5.08 + plug-in connector in acc. with IEC60603-13 / DIN41651, 20-pin
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**Rating data**

Mechanical service life	30 x 10 <sup>6</sup> switching cycles
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**Ratings data input**

Input voltage	12 V DC $\pm$ 10%	Input current	33 mA
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**Ratings data output**

Relay type	RCL	Type of output	Potential-free contact
Contact material	AgNi 90/10	Rated voltage	$\leq$ 250 V AC
Max. AC continuous current	5 A	Minimum contact current	0.1 A
Minimum contact voltage	5 V		

**Insulation coordination (EN50178)**

Pollution severity level	2	Pulse voltage test (1,2/50 $\mu$ s)	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	III
Pollution severity level	2	Pulse voltage test (1,2/50 $\mu$ s)	6 kV
Insulation test voltage AC	1.2 kV	Clearance input/output	$\geq$ 5.5 mm

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## Technical data

## Connection field

Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	1.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Max. wire cross-section, AWG	AWG 14
Min. wire cross-section, AWG	AWG 26	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	7 mm
Type of connection	Tension-clamp connection		

## 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
ECLASS 14.0	27-14-11-52		

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	71d9bdc4-a0b5-4af0-93bd-2ad4e523fb14
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl

## Approvals

Approvals



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

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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# Drawings

