

RSM-16 24VDC 1NO + C S**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, Screw connection
Order No.	1448450000
Type	RSM-16 24VDC 1NO + C S
GTIN (EAN)	4050118252590
Qty.	1 pc(s).
Available until	2014-05-20

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Technical data**Dimensions and weights**

Depth	62 mm	Depth (inches)	2.441 inch
Height	87 mm	Height (inches)	3.425 inch
Width	250 mm	Width (inches)	9.842 inch
Net weight	398.818 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Rated data UL

Operating temperature UL, max.	50 °C	Operating temperature UL, min.	0 °C
Rated current I_N	16.7 A	Rated voltage DC U_N (supply)	24 V
Rated current (supply)	1 A	Rated voltage DC U_N (input)	24 V
Rated voltage AC U_N (output)	250 V	Rated current I_{max} (output)	6 A

General data

LED status display per relay	green	Fuse per relay	No
LED status of the supply voltage	yellow	Power supply fuse	No

Connection data

Connection (field side)		Connection on control side	LL 5.08 mm, Plug-in connector in acc. with IEC60603-13 / DIN41651, 20 p
	LL 5.08 mm		
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 $\pm$ 10%	Input current	16.7 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	6 A	Minimum contact current	0.1 A
Minimum contact voltage	5 V		

Insulation coordination (EN50178)

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

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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

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

Supply connection

Clamping range, min.	0.13 mm ²	Clamping range, max.	6 mm ²
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Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	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
ECLASS 15.0	27-14-11-52		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Product Change Notification	20210506 Technical change to RSM modules
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

