

RSM-16 24V+ BASE S

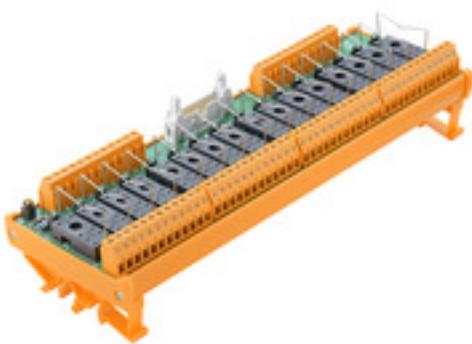
Weidmüller Interface GmbH & Co. KG

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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.	1448480000
Type	RSM-16 24V+ BASE S
GTIN (EAN)	4050118252897
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	51 mm	Depth (inches)	2.008 inch
Height	87 mm	Height (inches)	3.425 inch
Width	259 mm	Width (inches)	10.197 inch
Net weight	437 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	50 °C

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)	LL 5.08 mm	Connection on control side	LL 5.08 mm, Plug-in connector in acc. with IEC60603-13 / DIN4 1651, 20 p
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%
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Ratings data output

Relay type	RCL	Type of output	Potential-free contact
Contact material	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	1.2 kVAC		

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	1.2 kVAC	Clearance input/output	≥ 5.5 mm

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Technical data**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	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	71d9bdc4-a0b5-4af0-93bd-2ad4e523fb14

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Product Change Notification	20210310 Technical change to RS and RSM modules 20220525 Technical change to RS and RSM
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

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