RSMS-8 24V- 1CO 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.	1456650000
Type	RSMS-8 24V- 1CO S
GTIN (EAN)	4050118263206
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	85 mm	Depth (inches)	3.346 inch
Height	109 mm	Height (inches)	4.291 inch
Width	61 mm	Width (inches)	2.402 inch
Net weight	221 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C

Rated data UL

Operating temperature UL, max.	25 °C	Operating temperature UL, min.	0 °C
Rated current I_N	7.1 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)	3.5 A

General data

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

Connection data

Connection (field side)	LL3R 5.08 mm	Connection on control side	LP 5.08 mm, LL 5.08 mm

Rating data

Mechanical service life	5 x 10^6 switching cycles

Ratings data input

Input voltage	24 V DC ± 10%	Input current	7.1 mA

Ratings data output

Relay type	RSS	Type of output	Potential-free contact
Contact material	AgNi 90/10	Rated voltage	≤ 250 V AC
Max. AC continuous current	4.5 A	Minimum contact current	100 mA
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

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Connection field

Clamping range, max.	6 mm²	Clamping range, min.	0.5 mm²
Flexible with sleeve, max.	2.5 mm²	Flexible with sleeve, min.	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm²	Solid, max. H05(07) V-U	6 mm²
Solid, min. H05(07) V-U	0.5 mm²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw 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, 7cI

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Product Change Notification	20210818 Technical change to RSMS relay interfaces
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

