

**RSM-8H 24V- 1CO 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**

Version	Interface, RSM, PUSH IN
Order No.	<a href="#">1464810000</a>
Type	RSM-8H 24V- 1CO Z
GTIN (EAN)	4050118271584
Qty.	1 pc(s).

## RSM-8H 24V- 1CO Z

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	62 mm	Depth (inches)	2.441 inch
Height	87 mm	Height (inches)	3.425 inch
Width	130 mm	Width (inches)	5.118 inch
Net weight	244.968 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 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)	4.6 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
	LMFS 5.08 mm		
Number of poles (control side)	20-pole plug		

## Rating data

Mechanical service life	$3 \times 10^7$ switching cycles
-------------------------	----------------------------------

## Ratings data input

Input voltage	24 V DC $\pm 10\%$	Input current	16.7 mA
---------------	--------------------	---------------	---------

## 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 $\mu$ s)	6 kV
Insulation test voltage AC	1.2 kV		

## RSM-8H 24V- 1CO Z

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

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

## Supply connection

Clamping range, min.	0.12 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
----------------------	----------------------	----------------------	---------------------

## 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 4,4'-isopropylidenediphenol 80-05-7
SCIP	66e752f3-a24f-4fef-89c4-f29f52d01390
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	

## RSM-8H 24V- 1CO Z

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

# Drawings

