

RSMS-16H 24V+ 1CO Z**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

Interface, RSM, Tension-clamp connection	
Version	Interface, RSM, Tension-clamp connection
Order No.	1457320000
Type	RSMS-16H 24V+ 1CO Z
GTIN (EAN)	4050118263749
Qty.	1 pc(s).

RSMS-16H 24V+ 1CO Z
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com
Technical data
Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	109 mm	Height (inches)	4.291 inch
Width	112 mm	Width (inches)	4.409 inch
Net weight	367.244 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 mA	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	Fuse per relay	No
LED status of the supply voltage	yellow	Power supply fuse	No

Connection data

Connection (field side)	LM3RZF 5.08	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Number of poles (control side)	20-pole plug		

Rating data

Mechanical service life	5 x 10 ⁶ switching cycles		
-------------------------	--------------------------------------	--	--

Ratings data input

Input voltage	24 V DC $\pm$ 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	$\leq$ 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 (1,2/50 μ 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	II
Pollution severity level	2	Pulse voltage test (1,2/50 μ s)	6 kV
Insulation test voltage AC	1.2 kV	Clearance input/output	$\geq$ 5.5 mm

RSMS-16H 24V+ 1CO Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Connection field

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

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²	Solid, min. H05(07) V-U	0.13 mm ²
Solid, max. H05(07) V-U	2.5 mm ²	Flexible, min. H05(07) V-K	0.13 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²	Flexible with sleeve, max.	1.5 mm ²
Flexible with sleeve, min.	0.25 mm ²	Ferrule with plastic collar, max.	1.5 mm ²
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 14
Stripping length	6 mm		

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
SCIP	71d9bdc4-a0b5-4af0-93bd-2ad4e523fb14

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	20210310 Technical change to RS and RSM modules
Catalogues	Catalogues in PDF-format
Brochures	

Creation date May 11, 2025 6:08:12 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

RSMS-16H 24V+ 1CO Z

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

www.weidmueller.com

Drawings

