

**RSM
RSM-16DI 48VDC S**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Digital input interface with opto module or relay isolation for electrical signal transmission between the PLC and the field.

- Electrical isolation by pluggable relays.
- Integrated LED status display.

General ordering data

Type	RSM-16DI 48VDC S
Order No.	1312020000
Version	Interface, RSM, Optos, LED
GTIN (EAN)	4050118114386
Qty.	1 pc(s).

RSM
RSM-16DI 48VDC S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

Length	124 mm	Length (inches)	4.882 inch
Width	109 mm	Width (inches)	4.291 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	342.14 g		

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-20 °C
Operating temperature	-20...50 °C	Storage temperature	-20...70 °C

General data

LED status display per relay	green	LED status of the supply voltage	yellow
Power supply fuse	2 A		

Connection data

Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651	Number of poles (control side)	20-pole plug
Wiring system	1-wire		

Rating data

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

Ratings data input

Input voltage	48 V DC ± 10%	Input current	10 mA
---------------	---------------	---------------	-------

Ratings data output

Relay type	RSS	Contact material	AgNi gold flashed
Rated voltage (text)	24 V DC ± 10%	Max. DC continuous current	0.1 A
Minimum contact current	2 mA	Minimum contact voltage	5 V

Insulation coordinates (EN50178)

Rated input insulation voltage	≤ 50 V DC	Rated output insulation voltage	≤ 50 V DC
Oversvoltage category input/output	III	Oversvoltage category input/input	III
Pollution severity level	2	Pulse voltage test (1,2/50µs)	1.5 kV
Insulation test voltage	0.35 kVAC	Clearance input/output	≥ 6 mm

Connection field

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²		

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²		

Data sheet

**RSM
RSM-16DI 48VDC S**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

ETIM 5.0	EC002780	ETIM 6.0	EC002780
eClass 6.2	27-14-11-52	eClass 7.1	27-14-11-52
eClass 8.1	27-14-11-52	eClass 9.0	27-14-11-52
eClass 9.1	27-24-22-16		

Product information

Descriptive text accessories	Relay 1313530000 48 V 1 CO AU
------------------------------	-------------------------------

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Brochure/Catalogue	CAT 4.5 ELECTR 16/17 EN
--------------------	---

Data sheet

**RSM
RSM-16DI 48VDC S**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

