

**RSM-16DI 24VDC S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Interface, RSM, Optos, LED
Order No.	<a href="#">1312000000</a>
Type	RSM-16DI 24VDC S
GTIN (EAN)	4050118114447
Qty.	1 pc(s).

## RSM-16DI 24VDC S

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	72 mm	Depth (inches)	2.835 inch
Height	109 mm	Height (inches)	4.291 inch
Width	124 mm	Width (inches)	4.882 inch
Net weight	343.24 g		

## Temperatures

Storage temperature	-20...70 °C	Operating temperature	-20...50 °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	5 x 10 <sup>6</sup> switching cycles		
-------------------------	--------------------------------------	--	--

## Ratings data input

Input voltage	24 V DC ± 10%	Input current	13 mA
---------------	---------------	---------------	-------

## Ratings data output

Relay type	RSS	Contact material	AgNi gold flashed
Rated voltage	24 V DC ± 10%	Max. DC continuous current	0.1 A
Minimum contact current	1 mA	Minimum contact voltage	1 V

## Insulation coordinates (EN50178)

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

## Connection field

Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Type of connection	Screw connection		

## Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>		

**RSM-16DI 24VDC S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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

**Environmental Product Compliance**

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

**Approvals**

Approvals



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

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">20220525 Technical change to RS and RSM</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

## RSM-16DI 24VDC S

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

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

## Drawings

