

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	1312000000
Type	RSM-16DI 24VDC S
GTIN (EAN)	4050118114447
Qty.	1 pc(s).

Creation date March 7, 2023 8:33:36 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

RSM-16DI 24VDC S

Weidmüller Interface GmbH & 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
Operating temperature, min.	-20 °C	Operating temperature, max.	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 / DIN4 165 1	Number of poles (control side)	20-pole plug
Wiring system	1-wire		

Rating data

Mechanical service life	5 x 10 ⁶ 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
Overtoltage category input/input	III	Overtoltage category input/output	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

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

Supply connection

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

Creation date March 7, 2023 8:33:36 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Classifications**

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	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

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	Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	20220525 Technical change to RS and RSM
Catalogues	Catalogues in PDF-format
Brochures	

RSM-16DI 24VDC S

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

Drawings

www.weidmueller.com

