

RSM-16DI 48VDC 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.	1312020000
Type	RSM-16DI 48VDC S
GTIN (EAN)	4050118114386
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-02-10T00:00:00+01:00

RSM-16DI 48VDC S

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	72 mm	Depth (inches)	2.8346 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	124 mm	Width (inches)	4.8819 inch
Net weight	342.14 g		

Temperatures

Storage temperature	-20...70 °C	Operating temperature	-20...50 °C
---------------------	-------------	-----------------------	-------------

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

General data

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

Connection data

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

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	Material of contacts	AgNi gold flashed
Rated voltage	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
Overvoltage category input/input	III	Overvoltage category input/output	III

RSM-16DI 48VDC S

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

www.weidmueller.com

Technical data

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

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

Supply connection

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

Classifications

ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	EC002780	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

RSM-16DI 48VDC S

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

Drawings

www.weidmueller.com

