

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 pc(s).

RSM-16DI 48VDC 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	342.14 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

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	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
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		

RSM-16DI 48VDC S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Supply connection**

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

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		

Approvals

Approvals



ROHS

Conform

Downloads

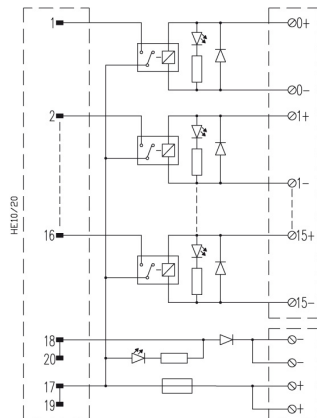
Approval/Certificate/Document of Conformity	Declaration of Conformity
Catalogues	Catalogues in PDF-format
Brochures	

RSM-16DI 48VDC S

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

www.weidmueller.com

Drawings



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1312020000](#)