

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).

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Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-20...70 °C	Operating temperature	-20...50 °C
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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		
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Ratings data input

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

Supply connection

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

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ETIM 6.0	EC002780	ETIM 7.0	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

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Drawings

