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).

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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 10^6 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
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 mm²	Clamping range, min.	0.13 mm²
Type of connection	Screw connection		

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm²
Clamping range, max.	6 mm²		

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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	CE
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	

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Drawings

