

RSM-16DI 24VDC Z**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.	1312010000
Type	RSM-16DI 24VDC Z
GTIN (EAN)	4050118114454
Qty.	1 items

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Technical data

Approvals

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ROHS	Conform
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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	343.24 g		

Temperatures

Storage temperature	-20...70 °C	Operating temperature	-20...50 °C
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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	5 x 10 ⁶ switching cycles
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Ratings data input

Input voltage	24 V DC ± 10%	Input current	13 mA
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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	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

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Connection field

Type of connection	Tension-clamp connection	Clamping range, max.	2.5 mm ²
Clamping range, min.	0.13 mm ²		

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	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	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

