

**RSM**  
**RSM-16DI 24VDC Z**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**

Type	RSM-16DI 24VDC Z
Order No.	<a href="#">1312010000</a>
Version	Interface, RSM, Optos, LED
GTIN (EAN)	4050118114454
Qty.	1 pc(s).

Creation date May 3, 2020 1:18:39 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Length	124 mm	Length (inches)	4.882 inch
Width	109 mm	Width (inches)	4.291 inch
Height	72 mm	Height (inches)	2.835 inch
Net weight	343.24 g		

**Temperatures**

Operating temperature, max.	50 °C	Operating temperature, min.	-20 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-20 °C
Operating temperature	-20...50 °C	Storage temperature	-20...70 °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 <sup>6</sup> 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	Contact material	AgNi gold flashed
Rated voltage (text)	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
Oversvoltage category input/output	III	Oversvoltage category input/input	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**

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

**Supply connection**

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

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**Technical data****Classifications**

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		

**Approvals**

Approvals



ROHS Conform

**Downloads**Brochure/Catalogue [CAT 4.5 ELECTR 16/17 EN](#)

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**Drawings**

