

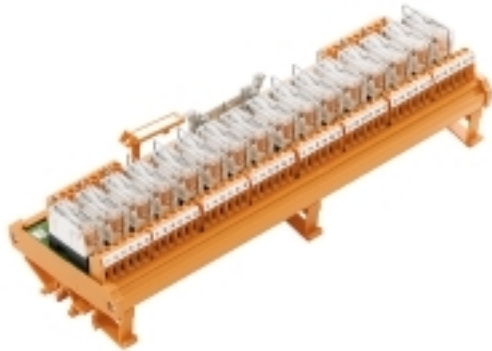
**RSM-16 24V(-/+ ) 1CO S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Digital output interface per-relay for electrical signal transmission between the PLC and the field.

- Electrical isolation by pluggable relays.
- Integrated LED status display.
- Screw or tension clamp-connection.
- Additional functions: in-series fuse or isolator
- 2 versions available: compact (RSS relay) or standard (RCL relay).

**General ordering data**

|            |   |
|------------|---|
| Version    | Interface, RSM, 16, RCL, Screw connection |
| Order No.  | <a href="#">9444610000</a>                |
| Type       | RSM-16 24V(-/+ ) 1CO S                    |
| GTIN (EAN) | 4032248150922                             |
| Qty.       | 1 pc(s).                                  |

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Catalogue status 11.03.2022 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 68 mm  | Depth (inches)  | 2.677 inch  |
| Height     | 87 mm  | Height (inches) | 3.425 inch  |
| Width      | 267 mm | Width (inches)  | 10.512 inch |
| Net weight | 655 g  |                 |             |

### Temperatures

|                     |             |                       |             |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...60 °C | Operating temperature | -25...40 °C |
|---------------------|-------------|-----------------------|-------------|

### Environmental Product Compliance

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

### General data

|                                  |        |                   |    |
|----------------------------------|--------|-------------------|----|
| LED status display per relay     | green  | Fuse per relay    | No |
| LED status of the supply voltage | yellow | Power supply fuse | No |

### Connection data

|                         |           |                                |  |
|-------------------------|-----------|--------------------------------|--|
| Connection (field side) | LP 5.08mm | Connection on control side     | Plug-in connector in acc. with IEC60603-13 / DIN4 1651 |
| Connection supply       | LP 5.08mm | Number of poles (control side) | 20-pole plug   |

### Rating data

|                         |                                      |
|-------------------------|--------------------------------------|
| Mechanical service life | 3 x 10 <sup>7</sup> switching cycles |
|-------------------------|--------------------------------------|

### Ratings data input

|               |               |               |       |
|---------------|---------------|---------------|-------|
| Input voltage | 24 V DC ± 10% | Input current | 22 mA |
|---------------|---------------|---------------|-------|

### Ratings data output

|                            |            |                         |                        |
|----------------------------|------------|-------------------------|------------------------|
| Relay type                 | RCL        | Type of output          | Potential-free contact |
| Contact material           | AgNi 90/10 | Rated voltage           | ≤ 250 Vdc ≤ 250 Vac    |
| Max. AC continuous current | 5 A        | AC peak current         | 16 A                   |
| Minimum contact current    | 0.01 A     | Minimum contact voltage | 10 V                   |

### Insulation coordinates (EN50178)

|                                   |              |                                    |           |
|-----------------------------------|--------------|------------------------------------|-----------|
| According to                      | DIN EN 50178 | Rated input insulation voltage     | < 50 V AC |
| Rated output insulation voltage   | < 250 V AC   | Overvoltage category input/input   | III       |
| Overvoltage category input/output | III          | Overvoltage category output/output | II        |
| Pollution severity level          | 2            | Pulse voltage test (1,2/50µs)      | 6 kV      |
| Insulation test voltage           | 2.5 kVAC     | Clearance input/output             | ≥ 5.5 mm  |
| Clearance input/input             | ≥ 0.2 mm     | Clearance output/output            | ≥ 1.17 mm |

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**Technical data****Connection field**

|                                  |                     |                              |                      |
|----------------------------------|---------------------|------------------------------|----------------------|
| Clamping range, max.             | 6 mm <sup>2</sup>   | Clamping range, min.         | 0.13 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 2.5 mm <sup>2</sup> | Flexible with sleeve, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K       | 4 mm <sup>2</sup>   | Flexible, min. H05(07) V-K   | 0.5 mm <sup>2</sup>  |
| Max. wire cross-section, AWG     | AWG 12              | Min. wire cross-section, AWG | AWG 26               |
| Sleeve with plastic collar, max. | 2.5 mm <sup>2</sup> | Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>    |
| Solid, min. H05(07) V-U          | 0.5 mm <sup>2</sup> | Stripping length             | 6 mm                 |
| Tightening torque, max.          | 0.6 Nm              | Tightening torque, min.      | 0.5 Nm               |
| Type of connection               | Screw connection    |                              |                      |

**Supply connection**

|                              |                     |                                   |                      |
|------------------------------|---------------------|-----------------------------------|----------------------|
| Type of connection           | Screw connection    | Clamping range, min.              | 0.13 mm <sup>2</sup> |
| Clamping range, max.         | 6 mm <sup>2</sup>   | Solid, min. H05(07) V-U           | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>   | Flexible, min. H05(07) V-K        | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K   | 4 mm <sup>2</sup>   | Flexible with sleeve, max.        | 2.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.   | 0.5 mm <sup>2</sup> | Ferrule with plastic collar, max. | 2.5 mm <sup>2</sup>  |
| Wire cross-section, min. AWG | AWG 26              | Wire cross-section, max. AWG      | AWG 12               |
| Tightening torque, min.      | 0.5 Nm              | Tightening torque, max.           | 0.6 Nm               |
| Stripping length             | 6 mm                |                                   |                      |

**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



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Drawings

