

## RSM-16 FUS 1CO S

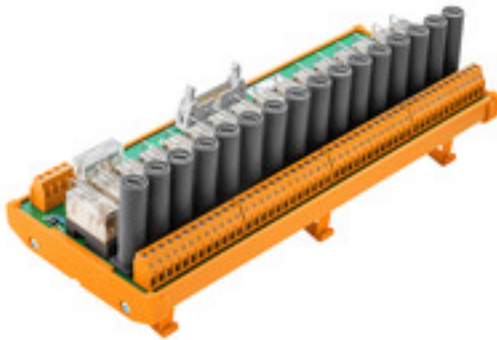
**Weidmüller Interface GmbH & Co. KG**

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 with fuse, RCL, Screw connection |
| Order No.  | <a href="#">9445120000</a>                          |
| Type       | RSM-16 FUS 1CO S                                    |
| GTIN (EAN) | 4032248252831                                       |
| Qty.       | 1 Stück   |

Erstellungs-Datum May 25, 2023 11:07:45 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

## RSM-16 FUS 1CO S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technische Daten

### Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 75 mm  | Depth (inches)  | 2.953 inch  |
| Height     | 109 mm | Height (inches) | 4.291 inch  |
| Width      | 261 mm | Width (inches)  | 10.276 inch |
| Net weight | 955 g  |                 |             |

### Temperatures

|                             |             |                             |             |
|-----------------------------|-------------|-----------------------------|-------------|
| Storage temperature         | -40...60 °C | Operating temperature       | -25...40 °C |
| Operating temperature, min. | -25 °C      | Operating temperature, max. | 40 °C       |

### General data

|                                  |        |                   |        |
|----------------------------------|--------|-------------------|--------|
| LED status display per relay     | green  | Fuse per relay    | 5 A    |
| LED status of the supply voltage | yellow | Power supply fuse | 3.15 A |

### Connection data

|                         |            |                                |   |
|-------------------------|------------|--------------------------------|---|
| Connection (field side) | LL 5.08 mm | Connection on control side     | Plug-in connector in acc. with IEC60603-13 / DIN41651 |
| Connection supply       | LL 5.08 mm | 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 | 20 mA |
| Power rating  | 0.4 VA        |               |       |

### 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 AC        | 1.2 kVAC     | Clearance input/output             | ≥ 5.5 mm  |
| Clearance input/input             | ≥ 0.2 mm     | Clearance output/output            | ≥ 1.17 mm |

## RSM-16 FUS 1CO S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technische Daten

### 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 | ECLASS 12.0 | 27-14-11-52 |

### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1 4,4'-isopropylidenediphenol 80-05-7 |
| SCIP       | 66e752f3-a24f-4fef-89c4-f29f52d01390               |

### Approvals

Approvals



ROHS Conform

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>                       |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                 |
| Engineering Data                            | <a href="#">WSCAD</a>   |
| Product Change Notification                 | <a href="#">20210310 Technical change to RS and RSM modules</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                        |

RSM-16 FUS 1CO S

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

Zeichnungen

