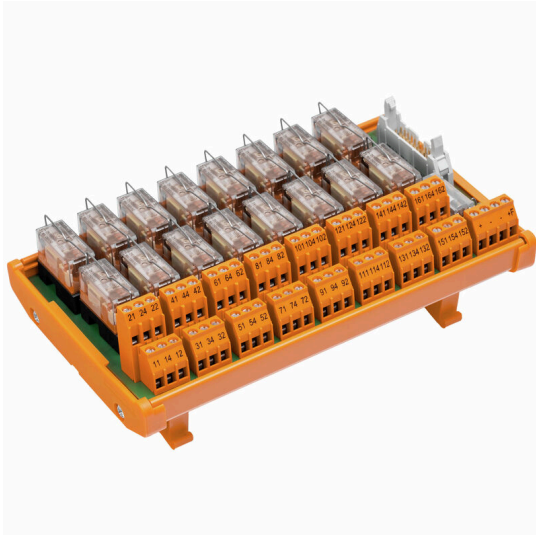


RSM-16 C 1CO S

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

www.weidmueller.com



Similar to illustration

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 compact, RCL, Screw connection |
| Order No. | 9445 100000 |
| Type | RSM-16 C 1CO S |
| GTIN (EAN) | 4032248150960 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Height | 109 mm | Height (inches) | 4.2913 inch |
| Width | 185 mm | Width (inches) | 7.2835 inch |
| Net weight | 569.36 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|--------------------------------------|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cl |
| REACH SVHC | Lead 7439-92-1, 4,4'-isopropylidenediphenol 80-05-7 |
| SCIP | 66e752f3-a24f-4fef-89c4-f29f52d01390 |

General data

| | | | |
|----------------------------------|--------|-------------------|--------|
| LED status display per relay | green | Fuse per relay | No |
| LED status of the supply voltage | yellow | Power supply fuse | 3.15 A |

Connection data

| | | | |
|--------------------------------|--------------|----------------------------|--|
| Number of poles (control side) | 20-pole plug | Connection supply | LL 5.08 mm |
| Connection (field side) | LL2N 5.08 mm | Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN4 1651 |

Rating data

| | |
|-------------------------|--------------------------------------|
| Mechanical service life | 3 x 10 ⁷ 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 |
| Material of contacts | 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 |

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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 kV | Clearance input/output | ≥ 5.5 mm |
| Clearance input/input | ≥ 0.2 mm | Clearance output/output | ≥ 1.17 mm |

Connection field

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

Supply connection

| | | | |
|------------------------------|---------------------|-----------------------------------|----------------------|
| Type of connection | Screw connection | Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 6 mm ² | Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 6 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² | Flexible with sleeve, max. | 2.5 mm ² |
| Flexible with sleeve, min. | 0.5 mm ² | Ferrule with plastic collar, max. | 2.5 mm ² |
| 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 8.0 | EC002780 | ETIM 9.0 | EC002780 |
| ETIM 10.0 | EC002780 | ECLASS 14.0 | 27-14-11-52 |
| ECLASS 15.0 | 27-14-11-52 | | |

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Drawings

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