



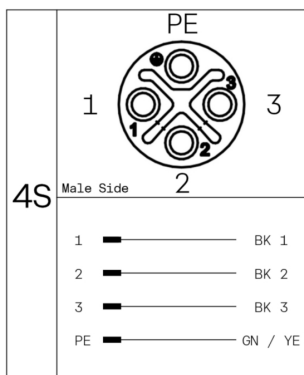
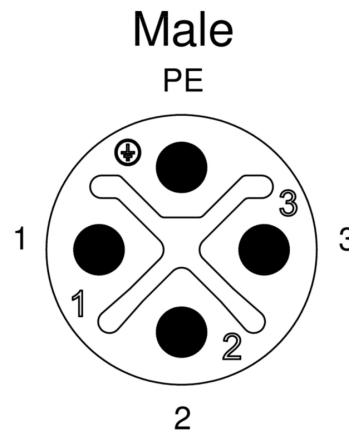
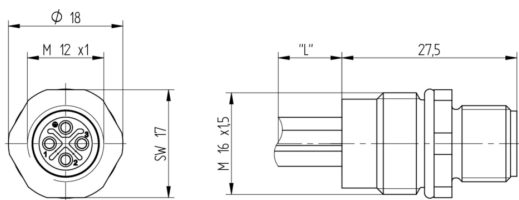
Product: [RSF6S 4S-033](#)

M12 Power | Receptacle | Male Front Mount → Open End, 4-pin S-code, (1.50 mm²) 16 AWG, 630 V / 16 A, Shielded

Product Description

M12 Power | Receptacle | M12 Male Front Mount, #Contacts: 4, S-code → Open End | Hookup Wire(s): mPPE; 1.50 mm² (16 AWG) | 630 V / 16 A | 360° Shield Protection

Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | PE |
|---------|---------|---------|--------------|
| black 1 | black 2 | black 3 | green-yellow |

Technical Data

| | |
|-----------------------------------|-------------------------------------|
| Product Family: | Power Connector |
| Side 1 Product Sub Family: | M12 Power |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Side 1 Type of Contact/Gender: | Pin Contact / Male |
| Connector Design: | Receptacle M12 Male Front Mount |
| Number of Pins: | 4 (3+PE) |
| Coding, Side 1: | S |
| Shielding Type: | Shielded |
| Attachment Type: | Coupling Screw |
| Voltage Rating: | 630 V |
| Rated Voltage (UL): | 600 V |
| Rated Impulse Voltage: | 6.0 kV |
| Operating Voltage: | 600 V AC/DC |
| Current Rating: | 16 A |
| Rated Current (UL)*: | 16 A |
| Side 1 Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | -40 °C to +125 °C, notice derating |
| Protection Degree / IP Rating**: | IP65, IP67, IP69K |
| Side 1 Design Standard: | IEC 61076-2-111 |
| Side 1 Pollution Degree: | 3 acc. to IEC 60664-1 |
| Clearance / Creepage Distance: | IEC 60664-1 (2020-05) |
| Overvoltage Category: | III acc. to IEC 60664-1 |

Materials

| | |
|--------------------------------------|---|
| Contact Base Material: | Copper Alloy (CuNi) |
| Side 1 Contact Plating: | Gold over Copper (Cu/Au) |
| Contact Bearer Material: | Glass-filled Polybutylene Terephthalate (PBT GF) |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-2 |
| Housing Material: | Copper Alloy (CuZn) |
| Housing Plating: | Nickel (Ni) |
| Housing Color: | Silver |
| Attachment Material: | Copper Alloy (CuZn) |
| Attachment Plating: | Nickel (Ni) |
| Shielding Material: | CuZn, plating: Ni |
| Gasket Material: | Fluoroelastomer (FKM) Panel Gasket, Included with packaging |

Additional Technical Data

| | |
|----------------------------------|-------------------------------------|
| Mount Type: | M16x1,5 |
| Accessories to Order Separately: | Panel Nut: ID: 25049 Name: RSKFM 16 |

Cable Data

| | |
|------------------------------------|-------------------------------------|
| Cable Number: | 033 |
| Conductor Size: | 1.50 mm ² |
| Number of Wires: | 4 |
| Conductor Material: | Cu |
| Wire Insulation Material: | Modified Polyphenylene Ether (mPPE) |
| Insulated Wire Diameter: | Ø 2.25 mm 0.089" |
| UL Cable Type: | AWM Style 11028 |
| Flammability Class (Cable Jacket): | UL 1581 VW-1 |

Approvals

| | |
|----------|----------------|
| UL-File: | E497237 |
| UL: | UL 2237; cULus |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | Yes |
|-----------------|-----|

Resistances

| | |
|-----------------|--------------------|
| Halogenfree: | DIN VDE 0472 T.815 |
| Oil Resistance: | Yes |

Notes

| | |
|-------------------------------------|---|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked |
| Note: | 1. Do not connect or disconnect under load. |
| Product Characteristics: | To ensure ingress protection, please check the O-ring's position before connecting. Improperly positioned O-ring leads to ingress protection potential failure. |

Variants

| Item # | Item Description | Cable Length |
|-----------|--------------------|--------------|
| 25080 | RSF6S 4S-033/2 M | |
| 934980003 | RSF6S 4S-033/0,2 M | 0.2 m |
| 934980007 | RSF6S 4S-033/0,5 M | 0.5 m |
| 530025080 | RSF6S 4S-033/2 M | 2 m |

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