



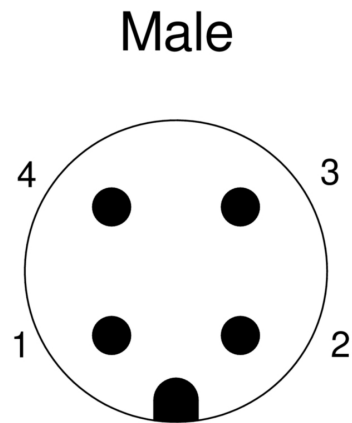
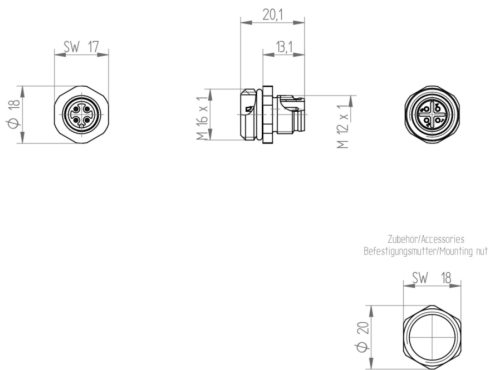
Product: [RSFM 4](#)

M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, solder contacts - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 230 V AC/DC, 4 A

Product Description

M12 Standard Sensor/Actuator Receptacle Connector: Male, front mount, M12 - mating side, solder contacts - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 230 V AC/DC, 4 A

Technical Drawing



Technical Specifications

Technical Data

| | |
|--------------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Side 1 Product Sub Family: | M12 Standard |
| Mating Side: | M12 |
| Connecting Side: | Solder Contacts |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Side 1 Type of Contact/Gender: | Male |
| Connector Design: | Front Mount |
| Number of Pins: | 4 |
| Coding, Side 1: | A |
| Attachment Type: | Screw-Locking |
| Voltage Rating: | 250 V |
| Rated Impulse Voltage: | 2.5 kV |
| Operating Voltage: | 230 V AC/DC |
| Current Rating: | 4 A |
| Side 1 Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |

| | |
|-----------------------------------|--|
| Type of Connection: | Solder |
| Thread Size: | M16x1.5 |
| Suitable Conductor Cross Section: | Solid wires: 0.22 mm ² to 0.75 mm ² / Standed wires: 0.22 mm ² to 0.5 mm ² |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Side 1 Design Standard: | IEC 61076-2-101 |
| Side 1 Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | DIN EN 60664-1 (2008/01); VDE 0110-1 |
| Overvoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|---------------|
| Contact Base Material: | CuZn |
| Side 1 Contact Plating: | Cu/Au |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Potted: | No |
| Housing Material: | CuZn |
| Housing Plating: | Nickel-plated |
| Housing Color: | Silver |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| O-Ring Material: | FKM |

Additional Technical Data

| | |
|----------------------------------|----------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
| Accessories to Order Separately: | 000-025-049 Mounting Nut M16x1.5 |

Safety & Environmental Compliance

| | |
|-----------------|-----|
| RoHS Compliant: | yes |
|-----------------|-----|

Notes

| | |
|-------------------------------------|---|
| Note Derating: | * Notice derating |
| Protection Degree / IP Rating Note: | * only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures. |
| Note: | The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101. Connection area must be epoxy potted. |

Variants

| Item # | Item Description |
|--------|------------------|
| 25023 | RSFM 4 |
| 104384 | RSFM 4/2 M |
| 52813 | RSFM 4/0,2 M A |
| 15624 | RSFM 4/1 M |

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