



Product: [RKME 4](#)

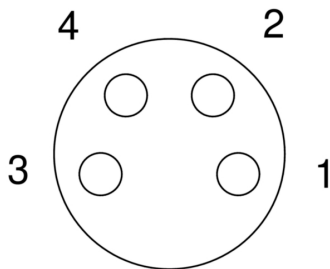
M8 Standard Sensor/Actuator Receptacle Connector: Female, front mount, M8 Screw - mating side, stranded wires - connecting side, 4-pin, A-coded, unshielded, metallic grey housing, 30 V AC/DC, 4 A

Product Description

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Technical Drawing

Female



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | white | blue | black |

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M8 Standard |
| Mating Side: | M8 Screw |
| Connecting Side: | Stranded Wires |
| Brand: | Lumberg Automation |
| Connector Type: | Receptacle |
| Type of Contact / Gender: | Female |
| Connector Design: | Front Mount |
| Number of Pins: | 4 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Screw-Locking |
| Rated Voltage: | 30 V |
| Rated Voltage (UL): | 30 V AC/DC |
| Rated Impulse Voltage: | 0.8 kV |

| | |
|-----------------------------------|---|
| Operating Voltage: | 30 V AC/DC |
| Rated Current*: | 4 A |
| Rated Current (UL)*: | 2 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Type of Connection: | Crimp |
| Thread Size: | M8x0.5 |
| Ambient Temperature (Operation)*: | - 25 °C - + 85 °C |
| Operating Temperature (UL): | max. + 50 °C |
| Protection Degree / IP Rating**: | IP67 |
| Design Standard: | IEC 61076-2-104 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|----------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU-GF |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Potted: | yes |
| Housing Material: | CuZn |
| Housing Plating: | Cu/Ni |
| Housing Color: | Silver |
| Attachment Material: | CuZn |
| Attachment Plating: | Cu/Ni |
| O-Ring Material: | FKM |

Additional Technical Data

| | |
|----------------------------------|-----------------------------|
| Fastening Torque (Attachment): | M 8x1: 30 Ncm, hand-tight |
| Accessories to Order Separately: | 000-011-644 Mounting Nut M8 |

Cable Data

| | |
|---|--|
| Cable Number: | 908 44 |
| Conductor Size: | 0.227 mm ² |
| Number of Wires: | 4 |
| Conductor material: | Cu |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | ø 1.45 mm ± 0.1 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C |
| Ambient Temperature (Flex Installation): | - 20 °C - + 90 °C |
| UL Cable Type: | AWM: 1007 |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL-VW1, CSA-FT1 |
| Core Colors: | black, blue, brown, white |

Approvals

| | |
|----------|----------------|
| UL-File: | E104696 |
| UL: | UL 2238; cURus |

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. |

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
| 13131 | RKMF 4/0,2 M | 0.2 m |
| 11292 | RKMF 4/0,5 M | 0.5 m |
| 55535 | RKMF 4/1 M | 1 m |
| 4374 | RKMF 4/2 M | 2 m |

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