



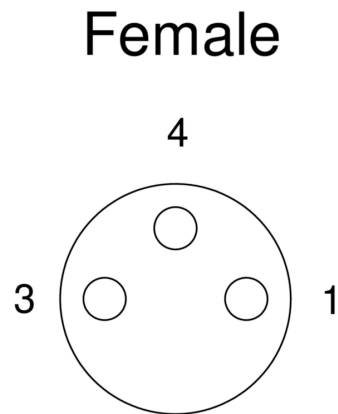
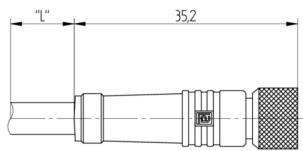
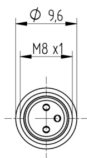
Product: [RKMV 3-06](#)

M8 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 3-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PVC orange cable, 3-wires, 0.34 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

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

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M8 Standard |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Female |
| Connector Design: | Straight |
| Number of Pins: | 3 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 60 V |
| Rated Voltage (UL): | 30 V AC/DC |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current: | 4 A |
| Rated Current (UL): | 4 A |

| | |
|----------------------------------|---|
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation): | - 40 °C - + 90 °C |
| Operating Temperature (UL): | max. + 70 °C |
| Protection Degree / IP Rating: | IP65, 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: | CuSn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU |
| Contact Bearer Color: | Orange |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Molded Body Color: | Translucent |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| O-Ring Material: | FKM, green |

Additional Technical Data

| | |
|--------------------------------|---------------------------|
| Fastening Torque (Attachment): | M 8x1: 30 Ncm, hand-tight |
|--------------------------------|---------------------------|

Cable Data

| | |
|---|--|
| Cable Number: | 006 |
| Number of Wires: | 3 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 1 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PVC |
| Cable Jacket Color: | orange |
| Cable Diameter D: | ø 5.0 ± 0.2 mm |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | ø 1.50 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | + 5 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Drag Chain Inst): | + 5 °C - + 60 °C |
| UL Cable Type: | AWM: 2464 |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1 |
| Cable Characteristics: | Free of lacquer wetting disturbing substances; Exclusion of silicone |

Approvals

| | |
|----------|----------------|
| UL-File: | E315587 |
| UL: | UL 2238; cURus |

Safety & Environmental Compliance

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

Resistances

| | |
|-----------------|----------------------------------|
| Oil Resistance: | Good chemical and oil resistance |
|-----------------|----------------------------------|

Notes

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|-------------------------------------|--|
| Protection Degree / IP Rating Note: | only if mounted and locked in combination with Hirschmann / Lumberg Automation connector |
| Note Derating: | Notice derating |

Note: Do not connect or disconnect under load.

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
| 59994 | RKMV 3-06/0,3 M | 0.3 m |
| 3821 | RKMV 3-06/0,6 M | 0.6 m |
| 59125 | RKMV 3-06/1 M | 1 m |
| 3840 | RKMV 3-06/1,5 M | 1.5 m |
| 11294 | RKMV 3-06/2 M | 2 m |
| 3778 | RKMV 3-06/2,5 M | 2.5 m |
| 12949 | RKMV 3-06/3 M | 3 m |
| 87363 | RKMV 3-06/4 M | 4 m |
| 11295 | RKMV 3-06/5 M | 5 m |
| 108079 | RKMV 3-06/6 M | 6 m |
| 11293 | RKMV 3-06/10 M | 10 m |
| 12954 | RKMV 3-06/15 M | 15 m |
| 12951 | RKMV 3-06/20 M | 20 m |
| 58019 | RKMV 3-06/25 M | 25 m |
| 3448 | RKMV 3-06/30 M | 30 m |

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