



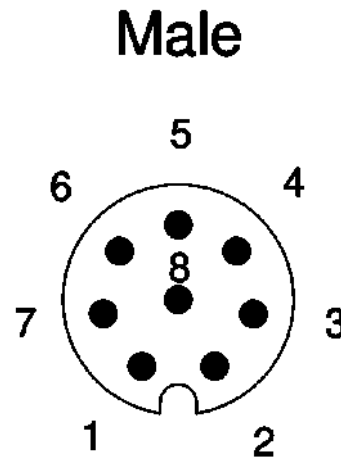
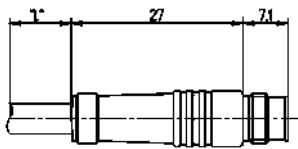
Product: [RSM 8-354](#)

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Male, straight, 8-pin, A-coded, orange body, 30 V AC/DC, 1 A; TPU black cable, 8-wires, 0.14 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|-------|-------|-------|--------|-------|-------|-------|-------|
| white | brown | green | yellow | grey | pink | blue | red |

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M8 Snap-In |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Male |
| Connector Design: | Straight |
| Number of Pins: | 8 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Snap- and 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*: | 1 A |
| Rated Current (UL)*: | 1 A |

| | |
|-----------------------------------|---|
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Operating Temperature (UL): | max. + 50 °C |
| Protection Degree / IP Rating**: | IP65 (in combination with female M8 Snap-In connector); IP65, IP67 (in combination with female M8 Standard connector) |
| 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: | PA 66 GF |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Molded Body Material: | TPU |
| Molded Body Color: | Orange |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |

Cable Data

| | |
|---|---|
| Cable Number: | 354 |
| Conductor Size: | 0.14 mm ² |
| Number of Wires: | 8 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Conductor material: | Cu |
| Cable Jacket Material: | TPU |
| Cable Jacket Color: | black matt similarly RAL 9005 |
| Cable Diameter D: | ø 5.0 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | ø 0.93 mm |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | - 25 °C - + 80 °C |
| Ambient Temperature (Drag Chain Inst): | max. + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | IEC 332-2, UL FT-2 |
| Cable Characteristics: | Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Good microbes and hydrolysis resistance; Coldness flexibility |

Approvals

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

Safety & Environmental Compliance

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

Resistances

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

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description | Cable Length |
|--------|------------------|--------------|
|--------|------------------|--------------|

| | | |
|-----------|---------------|-----|
| 934636169 | RSM 8-354/2 M | 2 m |
| 934636551 | RSM 8-354/5 M | 5 m |

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