



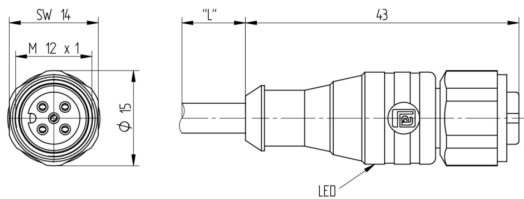
Product: [PRKT 5-56](#)

M12 F&B (PVC) Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, A-coded, orange body, 50 V AC / 60 V DC, 4 A; PVC orange cable, 5-wires, 0.34 mm²

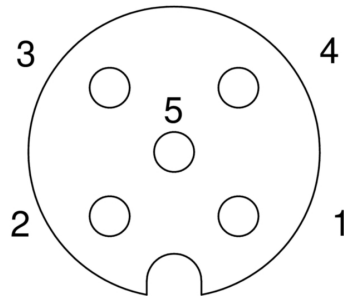
Product Description

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Technical Drawing



Female



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 |
|-------|-------|-------|-------|-------|
| brown | white | blue | black | grey |

Technical Data

| | |
|---------------------------|------------------------------|
| Product Family: | Sensor / Actuator Connectors |
| Product Sub Family: | M12 F&B (PVC) |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Female |
| Connector Design: | Straight |
| Number of Pins: | 5 |
| Coding: | A |
| Shielding: | Unshielded |
| Attachment Type: | Coupling Nut |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |

| | |
|-----------------------------------|---|
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 25 °C - + 50 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Design Standard: | IEC 61076-2-101 |
| 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: | PVC |
| Contact Bearer Color: | Orange |
| Molded Body Material: | PVC |
| Molded Body Color: | Orange |
| Attachment Material: | Stainless Steel |
| O-Ring Material: | EPDM, black |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Cable Data

| | |
|---|---|
| Cable Number: | 056 |
| Conductor Size: | 0.34 mm² |
| Number of Wires: | 5 |
| 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 class 43 |
| Cable Jacket Color: | orange |
| Cable Diameter D: | ø 5.70 ± 0.20 mm |
| Wire Insulation Material: | PVC class 43 |
| Insulated Wire Diameter: | ø 1.50 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | + 5 °C - + 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: | LABS-free of lacquer wetting disturbing substances; Exclusion of silicone |

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 | Rated Current |
|--------|------------------|--------------|---------------|
| 841 | PRKT 5-56/30 M | 30 m | 4 A |
| 45340 | PRKT 5-56/5 M | 5 m | 4 A |
| 46894 | PRKT 5-56/10 M | 10 m | 4 A |
| 46895 | PRKT 5-56/25 M | 25 m | 4 A |

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