lumbergautomation
A BELDEN BRAND



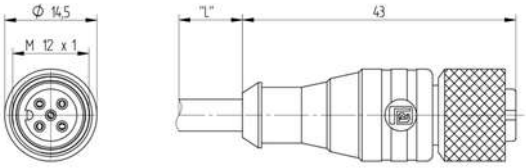
# Product: RKT 5-72

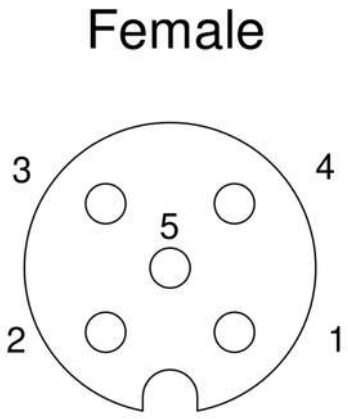
M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm²

## Product Description

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, A-coded, translucent body, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm²

## Technical Drawing




## 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 Standard |
| 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): | - 40 °C - + 90 °C |
| Protection Degree / IP Rating: | IP65, IP67, IP68 (1 m / 24 h), IP69K |
| 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: | 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 12x1: (50-60) Ncm, hand-tight |

## Cable Data

| | |
|---|---|
| Cable Number: | 072 |
| Number of Wires: | 5 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 2 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black matt similarly RAL 9005 |
| Cable Diameter D: | ø 5.70 ± 0.20 mm |
| Wire Insulation Material: | PVC TI3 |
| Insulated Wire Diameter: | ø 1.50 mm |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C |
| Ambient Temperature (Flex Installation): | + 5 °C - + 90 °C |
| Ambient Temperature (Drag Chain Inst): | + 5 °C - + 60 °C |
| Flammability Class (Cable Jacket): | DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2 |
| Cable Characteristics: | Mainly plasticizer diffusion free; LABS-free of lacquer wetting disturbing substances; Exclusion of silicone |

## Safety & Environmental Compliance

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

## Resistances

| | |
|---|---|
| Oil Resistance: | DIN EN 60811-2-1 |

## Notes

| | |
|---|---|
| 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 |
|---|---|---|
| 104637 | RKT 5-72/1 M | 1 m |
| 109187 | RKT 5-72/2 M | 2 m |
| 28810 | RKT 5-72/5 M | 5 m |
| 86359 | RKT 5-72/10 M | 10 m |
| 86360 | RKT 5-72/15 M | 15 m |

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