



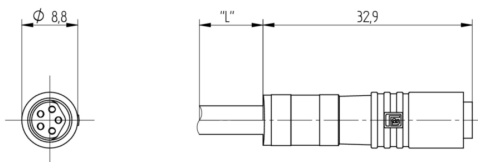
**Product:** [RKM 5-671](#)

M8 Snap-In Sensor/Actuator Single-Ended Cordset: Female, straight, 5-pin, B-coded, translucent body, 50 V AC / 60 V DC, 4 A; PVC black cable, 5-wires, 0.34 mm<sup>2</sup>

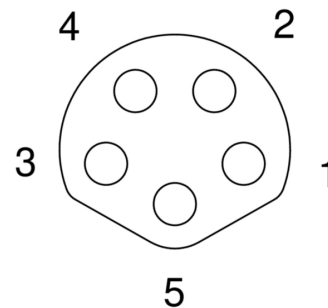
**Product Description**

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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:       | M8 Snap-In                   |
| Brand:                    | Lumberg Automation           |
| Connector Type:           | Cordset, single ended        |
| Type of Contact / Gender: | Female                       |
| Connector Design:         | Straight                     |
| Number of Pins:           | 5                            |
| Coding:                   | B                            |
| Shielding:                | Unshielded                   |
| Attachment Type:          | Snap-Locking                 |
| Rated Voltage:            | 60 V                         |
| Rated Voltage (UL):       | 30 V AC/DC                   |
| Rated Impulse Voltage:    | 0.8 kV                       |
| Operating Voltage:        | 50 V AC / 60 V DC            |
| Rated Current*:           | 4 A                          |
| Rated Current (UL)*:      | 3 A                          |

|                                   |  |
|-----------------------------------|--|
| Contact Resistance:               | ≤ 10 mOhm                              |
| Insulation Resistance:            | > 10 <sup>9</sup> Ohm                  |
| Mating Cycles:                    | ≤ 100                                  |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C                      |
| Operating Temperature (UL):       | max. + 75 °C                           |
| Protection Degree / IP Rating**:  | IP65                                   |
| Design Standard:                  | IEC 61076-2-104                        |
| Pollution Degree:                 | 3 acc. to DIN EN 60664-1 (VDE 0110-1)  |
| Overvoltage Category:             | II 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:                | Orange        |
| Flammability Class (Contact Bearer): | UL 94 V-0     |
| Molded Body Material:                | TPU           |
| Molded Body Color:                   | Translucent   |
| Flammability Class (Molded Body):    | UL 94 HB      |
| Attachment Plating:                  | Nickel-plated |

## Cable Data

|   |   |
|---|---|
| Cable Number:                             | 671   |
| Conductor Size:                           | 0.34 mm <sup>2</sup>  |
| 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   |
| Cable Jacket Color:                       | black   |
| Cable Diameter D:                         | ø 5.2 ± 0.20 mm   |
| Wire Insulation Material:                 | PVC   |
| Insulated Wire Diameter:                  | ø 1.30 mm   |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 90 °C (UL: + 80 °C)   |
| Ambient Temperature (Flex Installation):  | - 25 °C - + 90 °C (UL: + 80 °C)   |
| Ambient Temperature (Drag Chain Inst):    | - 25 °C - + 60 °C   |
| UL Cable Type:                            | AWM: 2464   |
| Flammability Class (Cable Jacket):        | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2   |
| Cable Characteristics:                    | Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Coldness flexibility |

## Approvals

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

## Safety & Environmental Compliance

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

## Resistances

|                 |   |
|-----------------|---|
| Halogenfree:    | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
| 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 |
|-----------|------------------|--------------|
| 934871001 | RKM 5-671/2 M    | 2 m          |
| 934871002 | RKM 5-671/5 M    | 5 m          |
| 934871003 | RKM 5-671/10 M   | 10 m         |
| 934871004 | RKM 5-671/15 M   | 15 m         |
| 934871005 | RKM 5-671/20 M   | 20 m         |
| 934871006 | RKM 5-671/25 M   | 25 m         |

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