



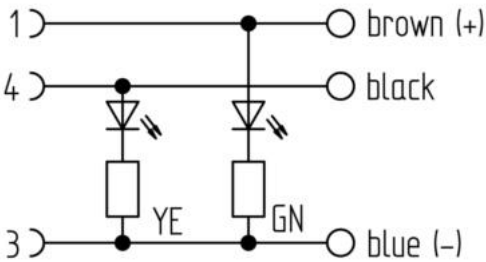
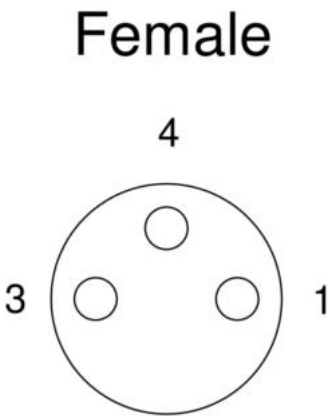
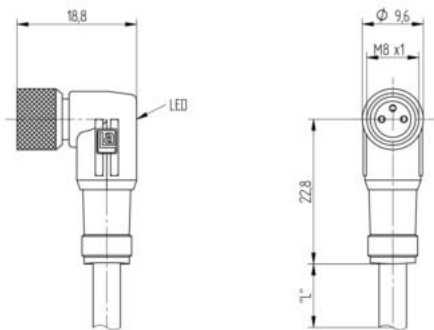
**Product:** [RKMVV/LED A 3-260](#)

M8 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 3-pin, A-coded, translucent body, 10-30 V DC, 4 A, with 2xLEDs (PNP); PUR orange cable, 3-wires, 0.34 mm<sup>2</sup>

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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:                 | Angled                                  |
| Number of Pins:                   | 3                                       |
| Coding:                           | A                                       |
| Shielding:                        | Unshielded                              |
| Attachment Type:                  | Coupling Nut                            |
| Rated Voltage:                    | 30 V                                    |
| Rated Voltage (UL):               | 30 V DC                                 |
| Rated Impulse Voltage:            | 0.5 kV                                  |
| Operating Voltage:                | 10-30 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, IP69K                       |
| 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    |

Protection Circuitry

|                     |              |
|---------------------|--------------|
| Function Indicator: | 2xLEDs (PNP) |
|---------------------|--------------|

Additional Technical Data

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

Cable Data

|                                         |                         |
|-----------------------------------------|-------------------------|
| Cable Number:                           | 260                     |
| Conductor Size:                         | 0.34 mm²                |
| Number of Wires:                        | 3                       |
| Minimal Bending Radius (Fixed Inst):    | > 5 x D                 |
| Minimal Bending Radius (Flexible Inst): | > 10 x D                |
| Cycles (Bending):                       | > 2 M                   |
| Welding Resistance:                     | Welding spark resistant |
| Conductor material:                     | Cu                      |
| Cable Jacket Material:                  | PUR                     |
| Cable Jacket Color:                     | orange                  |
| Cable Diameter D:                       | ø 4.50 ± 0.20 mm        |
| Wire Insulation Material:               | PP                      |

|                                           |                                                                                                                                                                                                      |                  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Insulated Wire Diameter:                  | ø 1.30 mm                                                                                                                                                                                            | AbN<br>automatic |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C                                                                                                                                                                                    |                  |
| Ambient Temperature (Flex Installation):  | - 25 °C - + 80 °C                                                                                                                                                                                    |                  |
| Ambient Temperature (Drag Chain Inst):    | - 25 °C - + 60 °C                                                                                                                                                                                    |                  |
| UL Cable Type:                            | AWM: 20549                                                                                                                                                                                           |                  |
| 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; Exclusion of PVC and silicone; Seatwater resistance; 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: | DIN EN 60811-2-1                                |

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 |
|--------|-----------------------|--------------|
| 46003  | RKMVV/LED A 3-260/2 M | 2 m          |
| 105912 | RKMVV/LED A 3-260/3 M | 3 m          |
| 30399  | RKMVV/LED A 3-260/5 M | 5 m          |

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