



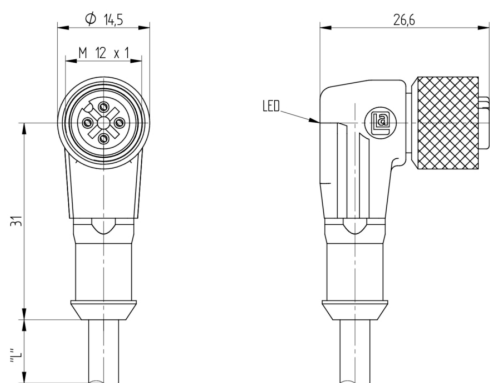
**Product:** [RKWT/LED A 4-3-06](#)

M12 Standard Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, translucent body, 10-30 V DC, 4 A, with 2xLEDs (PNP); PVC orange cable, 3-wires, 0.34 mm<sup>2</sup>

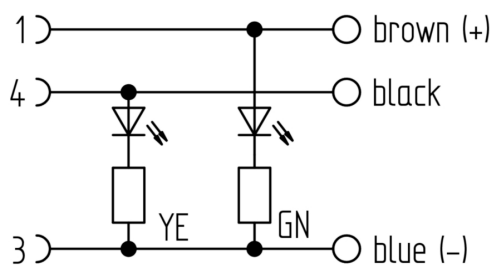
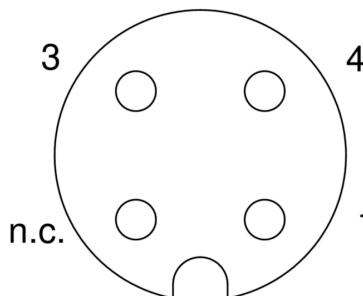
**Product Description**

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**Technical Drawing**



**Female**



**Technical Specifications**

**Face View**

| Pin 1 | Pin 2 | Pin 3 | Pin 4 |
|-------|-------|-------|-------|
| brown | n.c.  | blue  | black |

**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:                 | Angled                                  |
| Number of Pins:                   | 4                                       |
| Coding:                           | A                                       |
| Shielding:                        | Unshielded                              |
| Attachment Type:                  | Coupling Nut                            |
| Rated Voltage:                    | 30 V                                    |
| Rated Voltage (UL):               | 10-30 V DC                              |
| Rated Impulse Voltage:            | 0.8 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. + 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:             | 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 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

### Cable Data

|                                         |                |
|-----------------------------------------|----------------|
| Cable Number:                           | 006            |
| 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):                       | > 1 M          |
| Conductor material:                     | Cu             |
| Cable Jacket Material:                  | PVC            |
| Cable Jacket Color:                     | orange         |
| Cable Diameter D:                       | ø 5.0 ± 0.2 mm |
| Wire Insulation Material:               | PVC            |
| Insulated Wire Diameter:                | ø 1.50 mm      |

|                                           |                                                                      |
|-------------------------------------------|----------------------------------------------------------------------|
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C (UL: + 80 °C)                                      |
| Ambient Temperature (Flex Installation):  | + 5 °C - + 90 °C (UL: + 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:                    | Free of lacquer wetting disturbing substances; Exclusion of silicone |

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 |
|--------|------------------------|--------------|
| 11471  | RKWT/LED A 4-3-06/2 M  | 2 m          |
| 13861  | RKWT/LED A 4-3-06/3 M  | 3 m          |
| 11472  | RKWT/LED A 4-3-06/5 M  | 5 m          |
| 13871  | RKWT/LED A 4-3-06/6 M  | 6 m          |
| 11470  | RKWT/LED A 4-3-06/10 M | 10 m         |
| 13870  | RKWT/LED A 4-3-06/15 M | 15 m         |
| 14132  | RKWT/LED A 4-3-06/20 M | 20 m         |

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