



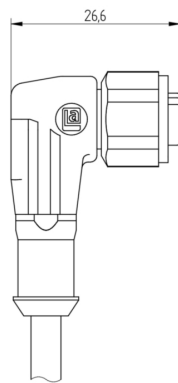
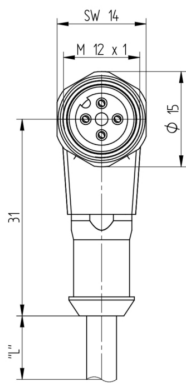
**Product:** [PRKWT 4-07](#)

M12 F&B (PVC) Sensor/Actuator Single-Ended Cordset: Female, angled, 4-pin, A-coded, orange body, 230 V AC/DC, 4 A; PVC orange cable, 4-wires, 0.25 mm<sup>2</sup>

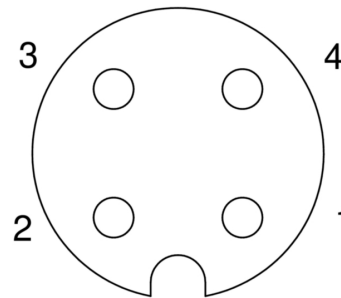
**Product Description**

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**Technical Drawing**



**Female**



**Technical Specifications**

**Face View**

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

**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:         | Angled                       |
| Number of Pins:           | 4                            |
| Coding:                   | A                            |
| Shielding:                | Unshielded                   |
| Attachment Type:          | Coupling Nut                 |
| Rated Voltage:            | 250 V                        |
| Rated Impulse Voltage:    | 2.5 kV                       |
| Operating Voltage:        | 230 V AC/DC                  |
| Rated Current*:           | 4 A                          |
| Contact Resistance:       | ≤ 10 mOhm                    |
| Insulation Resistance:    | > 10 <sup>9</sup> 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:             | II 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:                             | 007  |
| Conductor Size:                           | 0.25 mm²   |
| Number of Wires:                          | 4  |
| 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 1.35 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 |

### 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 |
|--------|------------------|--------------|---------------|
| 13584  | PRKWT 4-07/10 M  | 10 m         | 4 A           |
| 13601  | PRKWT 4-07/5 M   | 5 m          | 4 A           |
| 18028  | PRKWT 4-07/25 M  | 25 m         | 4 A           |
| 38482  | PRKWT 4-07/20 M  | 20 m         | 4 A           |
| 53263  | PRKWT 4-07/2 M   | 2 m          | 4 A           |
| 53265  | PRKWT 4-07/15 M  | 15 m         | 4 A           |



|       |                 |      |     |
|-------|-----------------|------|-----|
| 62725 | PRKWT 4-07/60 M | 60 m | 4 A |
| 62746 | PRKWT 4-07/40 M | 40 m | 4 A |
| 69550 | PRKWT 4-07/50 M | 50 m | 4 A |
| 8124  | PRKWT 4-07/8 M  | 8 m  | 4 A |

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