



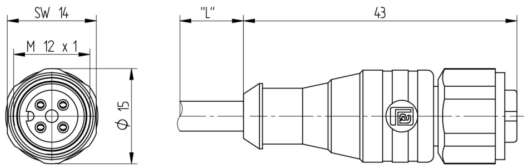
**Product:** [PRKT 4-07](#)

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

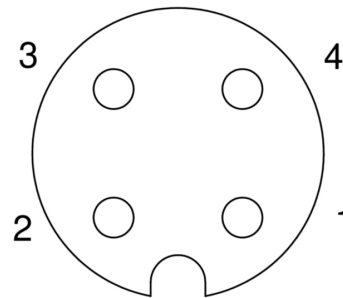
**Product Description**

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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:         | Straight                     |
| 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 |
|--------|------------------|--------------|---------------|
| 13287  | PRKT 4-07/10 M   | 10 m         | 4 A           |
| 18031  | PRKT 4-07/25 M   | 25 m         | 4 A           |
| 28336  | PRKT 4-07/5 M    | 5 m          | 4 A           |
| 53259  | PRKT 4-07/2 M    | 2 m          | 4 A           |
| 53261  | PRKT 4-07/15 M   | 15 m         | 4 A           |
| 65558  | PRKT 4-07/50 M   | 50 m         | 4 A           |

|           |                |      |     |
|-----------|----------------|------|-----|
| 75520     | PRKT 4-07/20 M | 20 m | 4 A |
| 86982     | PRKT 4-07/35 M | 35 m | 4 A |
| 934637060 | PRKT 4-07/40 M | 40 m | 4 A |

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