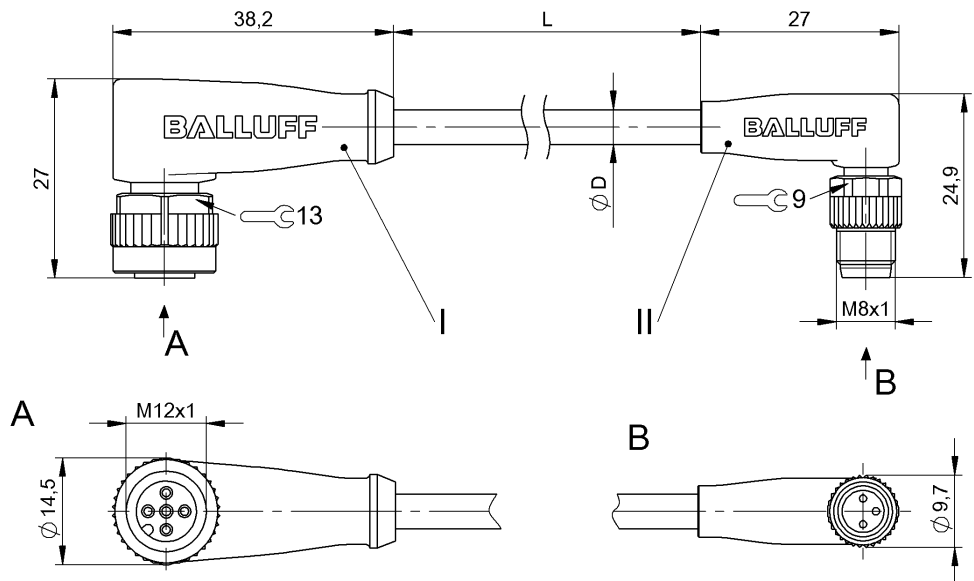




### Basic features

|                     |                     |
|---------------------|---------------------|
| Approval/Conformity | CE<br>cULus<br>WEEE |
|---------------------|---------------------|

### Display/Operation

|                            |              |
|----------------------------|--------------|
| Function indicator (Pin 4) | LED yellow   |
| Power indicator            | LED green/no |

### Electrical connection

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                   |
| Bending radius min., flexible cable | 10 x D                                  |
| Cable                               | PUR black, 0.6 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm $\pm$ 0.20 mm                   |
| Cable, bending cycles min.          | 5 mil.                                  |
| Cable, torsion stress               | $\pm$ 180°/m                            |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                    |
| Connection 1                        | M12x1-Female, angled, 5-pin, A-coded    |
| Connection 2                        | M8x1-Male, angled, 3-pin, A-coded       |
| Number of conductors                | 3                                       |
| System                              | Molded/Molded                           |

### Electrical data

|                         |        |
|-------------------------|--------|
| Operating voltage $U_b$ | 30 VDC |
| Rated current (40 °C)   | 4.0 A  |

### Environmental conditions

|                                             |                               |
|---------------------------------------------|-------------------------------|
| Cable temperature UL max., fixed routing    | 80 °C                         |
| Cable temperature UL max., flexible routing | 80 °C                         |
| Cable temperature, drag chain               | -25...60 °C                   |
| Cable temperature, fixed routing            | -50...90 °C                   |
| Cable temperature, flexible routing         | -25...90 °C                   |
| IP rating                                   | IP67, IP68, IP69K/IP67, IP69K |

### Interface

|                  |                        |
|------------------|------------------------|
| Switching output | PNP normally open (NO) |
|------------------|------------------------|

### Material

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Cable jacket, material   | PUR                                                |
| Material contact carrier | PUR/PUR                                            |
| Material contacts        | Bronze/Brass                                       |
| Material cover nut       | Die-cast zinc/Die-cast zinc or nickel plated brass |
| Material grip            | PUR/PUR                                            |

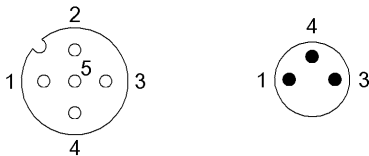
### Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 0.60 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm/0.4 Nm         |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 5 m                   |

Remarks

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance acc. to IEC 60332-2  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

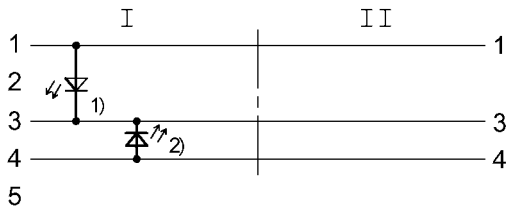
Connector Drawings



I  
PIN 1: brown  
PIN 2: not used  
PIN 3: blue  
PIN 4: black  
PIN 5: not used

II  
PIN 1: brown  
PIN 3: blue  
PIN 4: black

Wiring Diagrams



1) Green LED = Power  
2) Yellow LED = Function