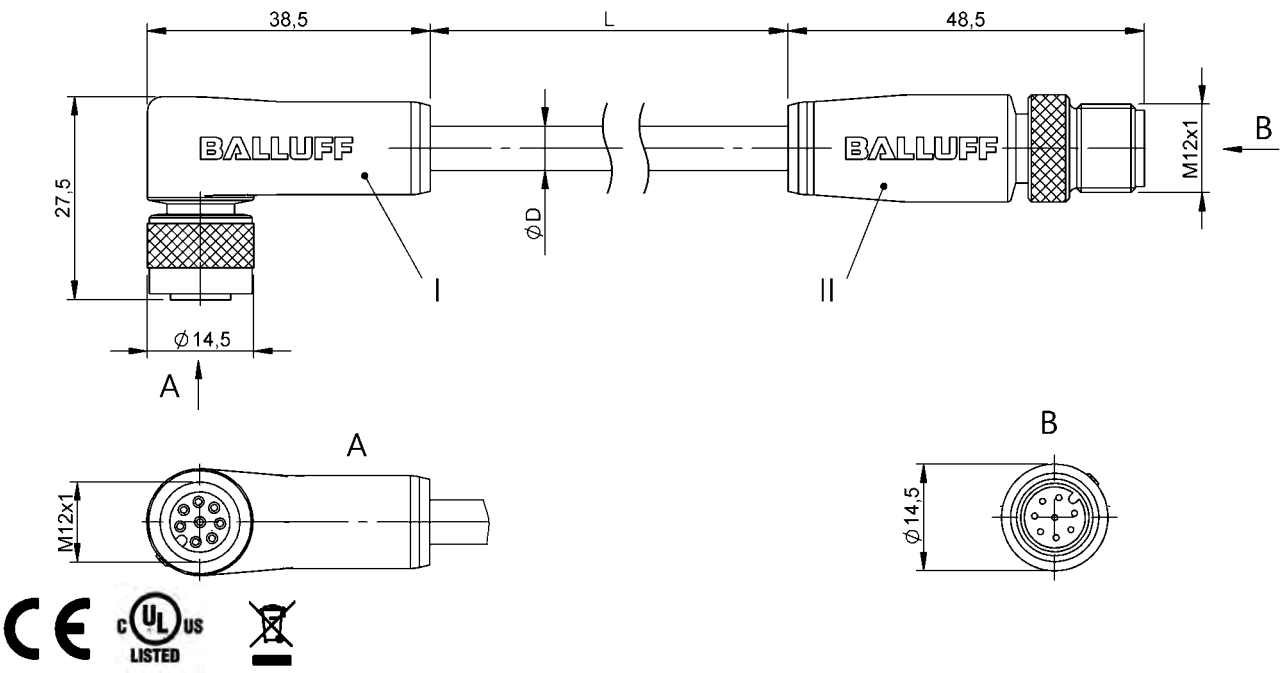




Basic features

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

Electrical connection

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                          |
| Bending radius min., flexible cable | 10 x D                                         |
| Cable                               | PUR Shielded black, 2 m, drag chain compatible |
| Cable diameter D                    | 6.00 mm ±0.15 mm                               |
| Cable, bending cycles min.          | 2 mil.                                         |
| Conductor cross-section             | 0.25 mm <sup>2</sup>                           |
| Connection 1                        | M12x1-Female, angled, 8-pin, A-coded           |
| Connection 2                        | M12x1-Male, straight, 8-pin, A-coded           |
| Number of conductors                | 8                                              |
| System                              | Molded/Molded                                  |

Electrical data

|                                  |                 |
|----------------------------------|-----------------|
| Operating voltage U <sub>b</sub> | 30 VDC / 30 VAC |
| Rated current (40 °C)            | 2.0 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/IP67   |

Material

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Cable jacket material, note | Shielded                                      |
| Cable jacket, material      | PUR                                           |
| Cable shield                | Copper braid, tin-plated                      |
| Material contact carrier    | PUR/PUR                                       |
| Material contacts           | Bronze/Brass                                  |
| Material cover nut          | Brass<br>nickel-plated/Brass<br>nickel-plated |
| Material grip               | PUR/PUR                                       |

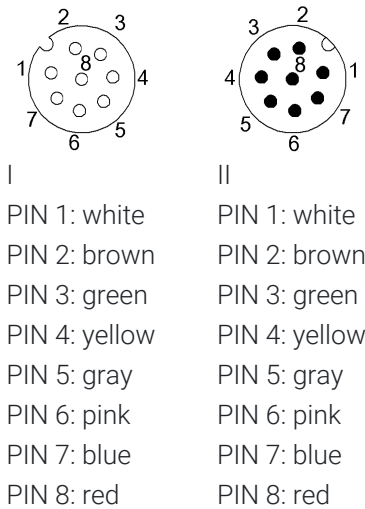
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 2.00 m                |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm/0.6 Nm         |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

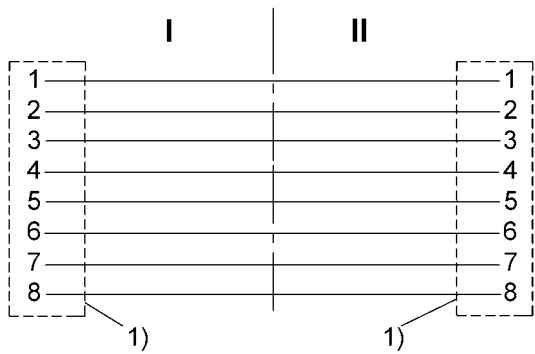
Remarks

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance per UL FT2  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.  
360° shield on cover nut

Connector Drawings



Wiring Diagrams



1) Shield on cover nut