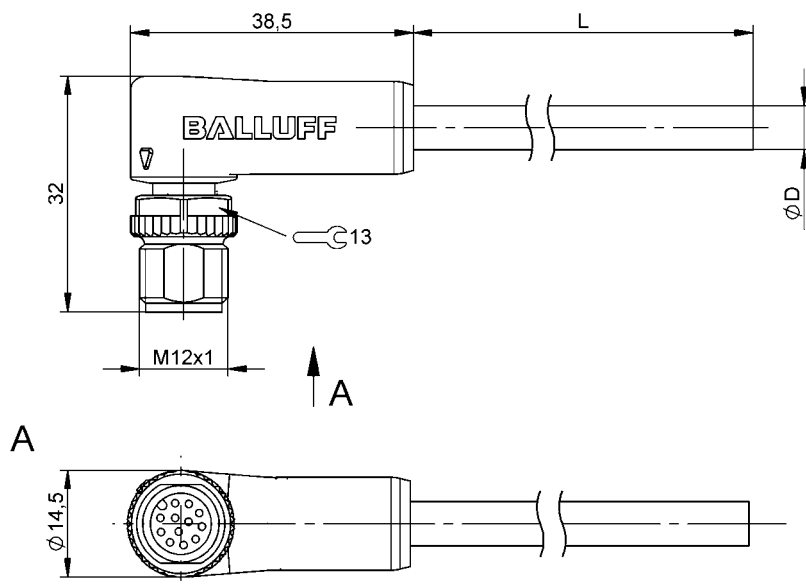




## Basic features

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

## Electrical connection

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                 |
| Bending radius min., flexible cable | 10 x D                                |
| Cable                               | PUR black, 2 m, drag chain compatible |
| Cable diameter D                    | 6.50 mm ±0.20 mm                      |
| Cable, bending cycles min.          | 2 mil.                                |
| Conductor cross-section             | 0.25 mm²                              |
| Connection                          | M12x1-Male, angled, 12-pin, A-coded   |
| Connector configuration             | right-angle                           |
| Number of conductors                | 12                                    |
| Number of pins                      | 12                                    |
| System                              | Molded                                |

## Electrical data

|                         |                 |
|-------------------------|-----------------|
| Operating voltage $U_b$ | 30 VDC / 30 VAC |
| Rated current (40 °C)   | 1.5 A           |

## Remarks

Cable construction acc. to UL-AWM Style 20549

Halogen-free per DIN VDE 0472 Part 815

Silicone-free

Flame-retarding acc. to IEC 60332-2

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

## Environmental conditions

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

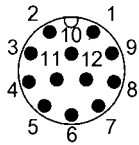
## Material

|                          |               |
|--------------------------|---------------|
| Cable jacket, material   | PUR           |
| Material contact carrier | PUR           |
| Material contacts        | Brass         |
| Material cover nut       | Die-cast zinc |
| Material grip            | 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                |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

Connector Drawings



- PIN 1: brown
- PIN 2: blue
- PIN 3: white
- PIN 4: green
- PIN 5: pink
- PIN 6: yellow
- PIN 7: black
- PIN 8: gray
- PIN 9: red
- PIN10: violet
- PIN 11: gray/pink
- PIN12: red/blue

Wiring Diagrams

