

## 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 black, 20 m, drag chain compatible |
| Cable diameter D                    | 6.00 mm $\pm$ 0.20 mm                  |
| Cable, bending cycles min.          | 2 mil.                                 |
| Conductor cross-section             | 0.25 mm <sup>2</sup>                   |
| Connection                          | M12x1-Female, straight, 8-pin, A-coded |
| Connector configuration             | Straight                               |
| Number of conductors                | 8                                      |
| Number of pins                      | 8                                      |
| System                              | Molded                                 |

## Electrical data

|                         |                 |
|-------------------------|-----------------|
| Operating voltage $U_b$ | 30 VDC / 30 VAC |
| Rated current (40 °C)   | 2.0 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

|                                     |                   |
|-------------------------------------|-------------------|
| 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 |

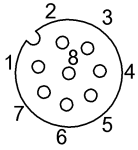
## Material

|                          |               |
|--------------------------|---------------|
| Cable jacket, material   | PUR           |
| Material contact carrier | PUR           |
| Material contacts        | Bronze        |
| 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                          | 20.00 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: white
- PIN 2: brown
- PIN 3: green
- PIN 4: yellow
- PIN 5: gray
- PIN 6: pink
- PIN 7: blue
- PIN 8: red

## Wiring Diagrams

