

## 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, 6 m, drag chain compatible |
| Cable diameter D                    | 4.70 mm ±0.15 mm                               |
| Cable, bending cycles min.          | 2 mil.   |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                           |
| Connection 1                        | M12x1-Female, angled, 5-pin, A-coded           |
| Connection 2                        | M12x1-Male, straight, 4-pin, A-coded           |
| Number of conductors                | 4  |
| System                              | Molded/Molded                                  |

## Electrical data

|                                  |                   |
|----------------------------------|-------------------|
| Operating voltage U <sub>b</sub> | 250 VDC / 250 VAC |
| Rated current (40 °C)            | 4.0 A             |

## 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/IP67   |

## Interface

|                  |               |
|------------------|---------------|
| Switching output | Complementary |
|------------------|---------------|

## 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                                       |

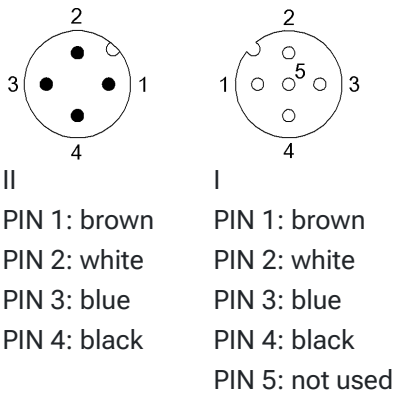
## Mechanical data

|   |                       |
|---|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 6.00 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                   |

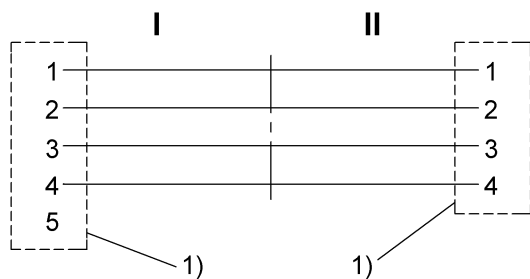
**Remarks**

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