

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, 25 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                          | M12x1-Female, straight, 5-pin, A-coded          |
| Connector configuration             | Straight                                        |
| Number of conductors                | 4                                               |
| Number of pins                      | 5                                               |
| System                              | 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        |

Interface

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

Material

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

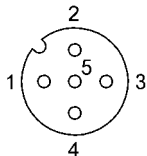
Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 25.00 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                   |

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.

Connector Drawings



PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black

Wiring Diagrams



1) Shield on cover nut