



## Basic features

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

## Display/Operation

|                            |            |
|----------------------------|------------|
| Function indicator (Pin 4) | LED yellow |
| Power indicator            | Green LED  |

## Electrical connection

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                 |
| Bending radius min., flexible cable | 10 x D                                |
| Cable                               | PUR black, 5 m, drag chain compatible |
| Cable diameter D                    | 4.30 mm ±0.20 mm                      |
| Cable, bending cycles min.          | 5 mil.                                |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                  |
| Connection                          | M12x1-Female, angled, 5-pin, A-coded  |
| Connector configuration             | right-angle                           |
| Number of conductors                | 3                                     |
| Number of pins                      | 5                                     |
| System                              | Molded                                |

## Electrical data

|                         |        |
|-------------------------|--------|
| Operating voltage $U_b$ | 30 VDC |
| Rated current (40 °C)   | 4.0 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, IP68, IP69K |

## Interface

|                  |                        |
|------------------|------------------------|
| Switching output | PNP normally open (NO) |
|------------------|------------------------|

## Material

|                          |               |
|--------------------------|---------------|
| Cable jacket, material   | PUR           |
| Material contact carrier | PUR           |
| Material contacts        | Bronze        |
| Material cover nut       | Die-cast zinc |
| Material grip            | PUR           |

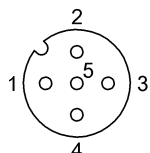
## Mechanical data

|   |                       |
|---|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 5.00 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   | 5 m                   |

Remarks

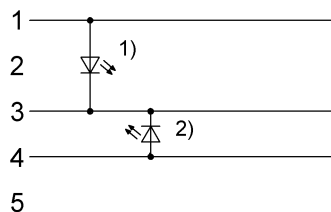
Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance acc. to IEC 60332-2  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



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

Wiring Diagrams (Schematic)



1) Green LED = Power  
2) Yellow LED = Function