

### 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                               | PVC Yellow, 5 m                        |
| Cable diameter D                    | 5.00 mm ±0.15 mm                       |
| Cable, bending cycles min.          | 2 mil.                                 |
| Conductor cross-section             | 22 AWG                                 |
| Connection 1                        | M12x1-Female, straight, 5-pin, A-coded |
| Connection 2                        | M12x1-Male, straight, 4-pin, A-coded   |
| Number of conductors                | 4                                      |
| System                              | Molded/Molded                          |

### Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Cable rated voltage AC max. | 300 V             |
| Cable rated voltage DC max. | 300 V             |
| Operating voltage Ub        | 250 VDC / 250 VAC |
| Rated current (40 °C)       | 4.0 A             |

### Environmental conditions

|                                     |                                     |
|-------------------------------------|-------------------------------------|
| Cable temperature, drag chain       | -5...60 °C                          |
| Cable temperature, fixed routing    | -40...105 °C                        |
| Cable temperature, flexible routing | -5...105 °C                         |
| IP rating                           | IP67, IP68, IP69K/IP67, IP68, IP69K |

### Interface

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

### Material

|                          |   |
|--------------------------|---|
| Cable jacket, material   | PVC   |
| Material contact carrier | PUR/PUR   |
| Material contacts        | Brass, gold plated/Brass, gold plated                         |
| Material cover nut       | Die-cast zinc<br>nickel-plated/Die-cast zinc<br>nickel-plated |
| Material grip            | PUR/PUR   |

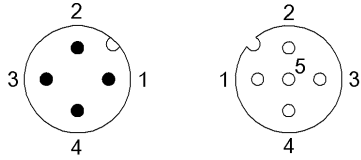
### Mechanical data

|   |                           |
|---|---------------------------|
| Cable jacket, color                     | Yellow                    |
| Cable length L                          | 5.00 m                    |
| 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 at 5 m/s <sup>2</sup> |

Remarks

Bulk cable approval per UL-AWM Style 2661 & CSA AWM I/II A/B  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



|              |                 |
|--------------|-----------------|
| II           | I               |
| PIN 1: brown | PIN 1: brown    |
| PIN 2: white | PIN 2: white    |
| PIN 3: blue  | PIN 3: blue     |
| PIN 4: black | PIN 4: black    |
|              | PIN 5: not used |

Wiring Diagrams (Schematic)

