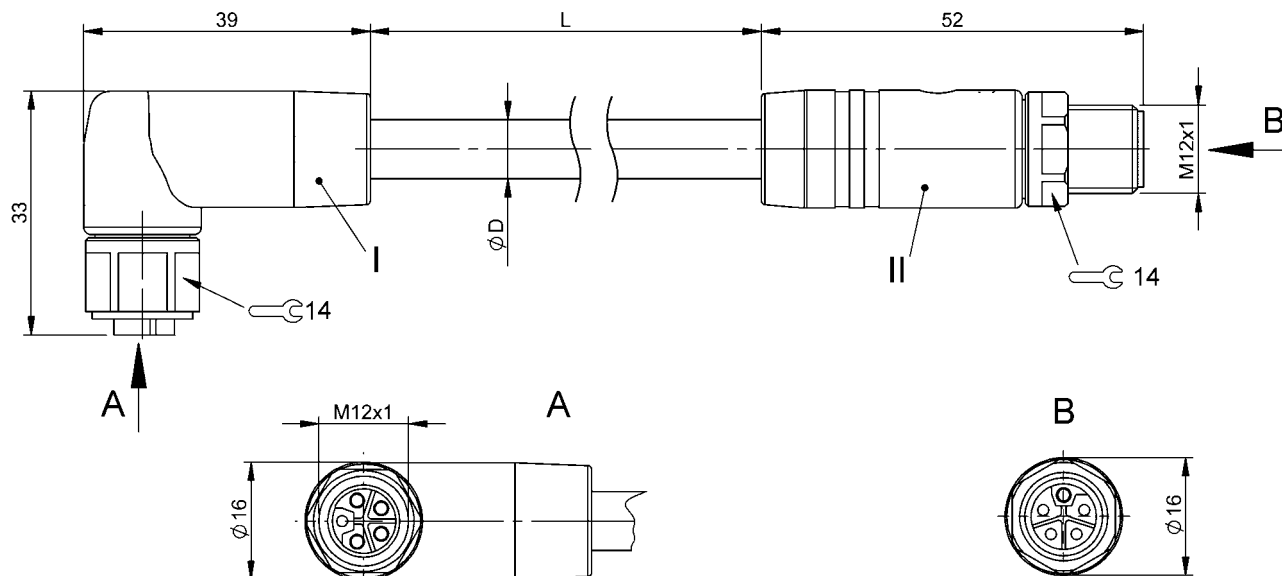




#### Basic features

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

#### Electrical connection

|                                     |                                       |
|-------------------------------------|---------------------------------------|
| Bending radius min., fixed cable    | 4 x D                                 |
| Bending radius min., flexible cable | 7.5 x D                               |
| Cable                               | PUR gray, 10 m, drag chain compatible |
| Cable diameter D                    | 8.00 mm ±0.20 mm                      |
| Cable, bending cycles min.          | 10 mil.                               |
| Conductor cross-section             | 1.5 mm <sup>2</sup>                   |
| Connection 1                        | M12x1-Female, angled, 5-pin, L-coded  |
| Connection 2                        | M12x1-Male, straight, 5-pin, L-coded  |
| Number of conductors                | 5                                     |
| System                              | Molded/Molded                         |

#### Electrical data

|                                  |                 |
|----------------------------------|-----------------|
| Operating voltage U <sub>b</sub> | 60 VDC / 50 VAC |
| Rated current (40 °C)            | 16.0 A          |

#### Environmental conditions

|                                             |                                     |
|---------------------------------------------|-------------------------------------|
| Cable temperature UL max., fixed routing    | 80 °C                               |
| Cable temperature UL max., flexible routing | 80 °C                               |
| Cable temperature, drag chain               | -20...60 °C                         |
| Cable temperature, fixed routing            | -40...90 °C                         |
| Cable temperature, flexible routing         | -20...80 °C                         |
| IP rating                                   | IP65, IP67, IP69K/IP65, IP67, IP69K |

#### Material

|                          |                                                     |
|--------------------------|-----------------------------------------------------|
| Cable jacket, material   | PUR                                                 |
| Material contact carrier | PBT/PBT                                             |
| Material contacts        | Copper alloy, gold plated/Copper alloy, gold plated |
| Material cover nut       | 1.4404 stainless steel/1.4404 stainless steel       |
| Material grip            | TPE/TPE                                             |

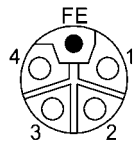
#### Mechanical data

|                                 |                       |
|---------------------------------|-----------------------|
| Acceleration max., drag chain   | 50 m/s <sup>2</sup>   |
| Cable jacket, color             | gray                  |
| Cable length L                  | 10.00 m               |
| Cable properties                | drag chain compatible |
| Tightening torque pigtail       | 0.6 Nm/0.6 Nm         |
| Traverse speed max., drag chain | 5 m/s                 |

Remarks

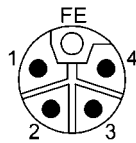
Cable construction acc. to UL-AWM Style 20939  
Flame resistance acc. to IEC 60332-1  
Flame resistance per IEC 60332-1-2  
Flame resistance acc. to UL 1581/1080 VW-1  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Oil resistant per DIN EN 60811-404 (VDE 0473-811-404)  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



I

PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black  
PIN 5: pink



II

PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black  
PIN 5: pink

Wiring Diagrams

