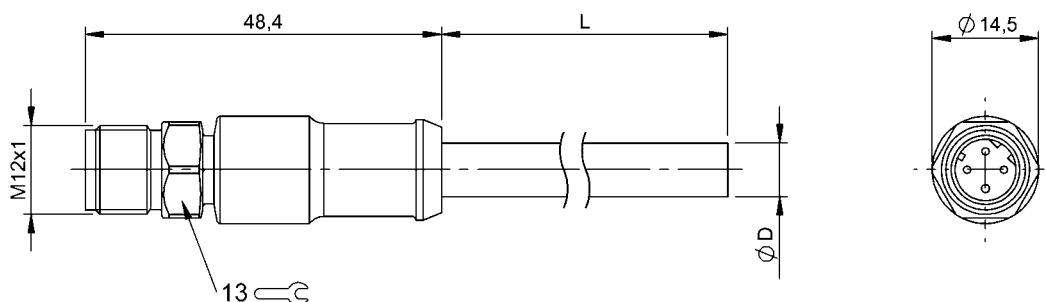




## Basic features

|                     |                      |
|---------------------|----------------------|
| Application         | Profinet , CAT 5     |
| Approval/Conformity | CE<br>Ecolab<br>WEEE |

## Electrical connection

|                                     |                                                 |
|-------------------------------------|-------------------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                           |
| Bending radius min., flexible cable | 15 x D                                          |
| Cable                               | PUR Shielded Green, 15 m, drag chain compatible |
| Cable diameter D                    | 6.70 mm ±0.30 mm                                |
| Cable, bending cycles min.          | 2 mil.                                          |
| Cable, note                         | Profinet Type C, CAT 5E by IEC 61156-6          |
| Conductor cross-section             | 22 AWG                                          |
| Connection                          | M12x1-Male, straight, 4-pin, D-coded            |
| Connector configuration             | Straight                                        |
| Number of conductors                | 4                                               |
| Number of pins                      | 4                                               |
| System                              | Molded                                          |

## Electrical data

|                         |               |
|-------------------------|---------------|
| Operating voltage $U_b$ | 60 VDC        |
| Rated current (40 °C)   | 1.5 A         |
| Transfer rate           | 10/100 Mbit/s |

## Environmental conditions

|                                     |             |
|-------------------------------------|-------------|
| Cable temperature, fixed routing    | -40...80 °C |
| Cable temperature, flexible routing | -20...60 °C |
| IP rating                           | IP67, IP69K |

## Material

|                             |                                |
|-----------------------------|--------------------------------|
| Cable jacket material, note | Shielded                       |
| Cable jacket, material      | PUR                            |
| Cable shield                | Aluminum foil and copper braid |
| Material contact carrier    | PP                             |
| Material contacts           | Brass                          |
| Material cover nut          | 1.4404 stainless steel         |
| Material grip               | PP                             |

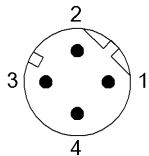
## Mechanical data

|                                         |                       |
|-----------------------------------------|-----------------------|
| Acceleration max., drag chain           | 2 m/s <sup>2</sup>    |
| Cable jacket, color                     | Green                 |
| Cable length L                          | 15.00 m               |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 5 m                   |

Remarks

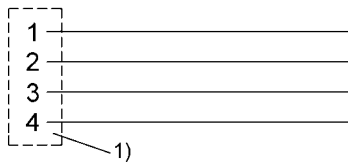
Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance acc. to FT1  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



PIN 1: yellow  
PIN 2: white  
PIN 3: orange  
PIN 4: blue

Wiring Diagrams



1) Shield on cover nut