

Basic features

| | |
|---------------------|---------------------|
| Application | Profibus |
| Approval/Conformity | CE cULus WEEE |

Electrical connection

| | |
|-------------------------------------|---|
| Bending radius min., fixed cable | 7.5 x D |
| Bending radius min., flexible cable | 10 x D |
| Cable | PUR Shielded violet, 6 m, drag chain compatible |
| Cable diameter D | 7.80 mm ±0.20 mm |
| Cable, bending cycles min. | 5 mil. |
| Conductor cross-section | 24 AWG |
| Connection 1 | M12x1-Female, straight, 5-pin, B-coded |
| Connection 2 | M12x1-Male, straight, 2-pin, B-coded |
| Number of conductors | 2 |
| System | Molded/Molded |

Electrical data

| | |
|-----------------------|-----------------|
| Isolation resistance | ≥ 1 GOhm x km |
| Operating voltage Ub | 60 VDC / 60 VAC |
| Rated current (40 °C) | 4.0 A |
| Surge impedance | 150 Ohm ±15 Ohm |

Environmental conditions

| | |
|-------------------------------------|-------------|
| Cable temperature, drag chain | -20...50 °C |
| Cable temperature, fixed routing | -40...70 °C |
| Cable temperature, flexible routing | -20...60 °C |
| IP rating | IP67/IP67 |

Material

| | |
|-----------------------------|---|
| Cable jacket material, note | Shielded |
| Cable jacket, material | PUR |
| Cable shield | Aluminum foil and copper braid |
| Material contact carrier | PUR/PUR |
| Material contacts | Bronze/Brass |
| Material cover nut | Brass nickel-plated/Brass nickel-plated |
| Material grip | PUR/PUR |

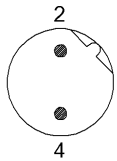
Mechanical data

| | |
|---|-----------------------|
| Acceleration max., drag chain | 10 m/s ² |
| Cable jacket, color | violet |
| Cable length L | 6.00 m |
| Cable properties | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m |
| Tightening torque pigtail | 0.6 Nm/0.6 Nm |
| Traverse speed max., drag chain | 330 m/min |

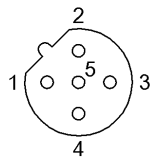
Remarks

Cable construction acc. to UL-AWM Style 20236
 Halogen-free
 Silicone-free
 Flame resistance acc. to FT1
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.
 360° shield on cover nut

Connector Drawings

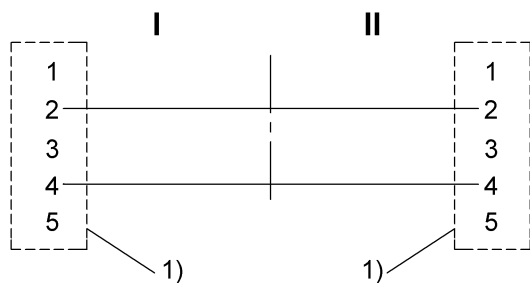


II
 PIN 2: green
 PIN 4: red



I
 PIN 1: not used
 PIN 2: green
 PIN 3: not used
 PIN 4: red
 PIN 5: not used

Wiring Diagrams



1) Shield on cover nut