

Basic features

| | |
|---------------------|------------|
| Approval/Conformity | CE WEEE |
|---------------------|------------|

Electrical connection

| | |
|-------------------------------------|--|
| Bending radius min., fixed cable | 7.5 x D |
| Bending radius min., flexible cable | 15 x D |
| Cable | PUR Shielded black, 0.5 m |
| Cable diameter D | 5.00 mm ±0.20 mm |
| Cable, bending cycles min. | 100 000 |
| Conductor cross-section | 0.08 mm ² |
| Connection | M12x1-Female, straight, 12-pin, A-coded |
| Connector configuration | Straight |
| Number of conductors | 12 |
| Number of pins | 12 |
| System | Molded |

Electrical data

| | |
|----------------------------------|------------------|
| Conductor construction | 6x2 twisted-pair |
| Operating voltage U _b | 30 VDC / 30 VAC |
| Rated current (40 °C) | 0.5 A |

Remarks

Halogen-free
 Silicone-free
 Flame-retarding
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Environmental conditions

| | |
|-------------------------------------|-------------|
| Cable temperature, fixed routing | -40...85 °C |
| Cable temperature, flexible routing | -25...85 °C |
| IP rating | IP67 |

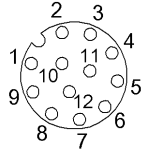
Material

| | |
|-----------------------------|--------------------------|
| Cable jacket material, note | Shielded |
| Cable jacket, material | PUR |
| Cable shield | Copper braid, tin-plated |
| Material contact carrier | PUR |
| Material contacts | Bronze |
| Material cover nut | Brass nickel-plated |
| Material grip | PUR |

Mechanical data

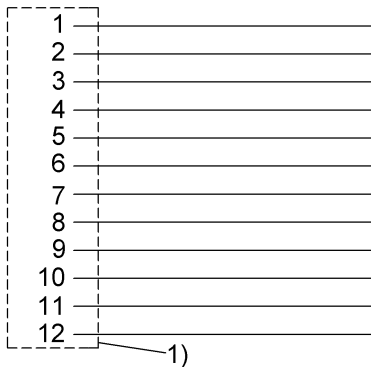
| | |
|---------------------------|--------|
| Cable jacket, color | black |
| Cable length L | 0.50 m |
| Tightening torque pigtail | 0.6 Nm |

Connector Drawings



- PIN 1: white, Pair 3
- PIN 2: brown, Pair 3
- PIN 3: green, Pair 4
- PIN 4: yellow, pair 4
- PIN 5: gray, Pair 2
- PIN 6: pink, Pair 2
- PIN 7: blue, Pair 1
- PIN 8: red, Pair 1
- PIN 9: black, Pair 5
- PIN10: violet, Pair 5
- PIN11: gray/pink, Pair 6
- PIN12: red/blue, Pair 6

Wiring Diagrams



1) Shield on cover nut