



### Basic features

|                     |                     |
|---------------------|---------------------|
| Application         | Ethernet, CAT 5     |
| Approval/Conformity | CE<br>cULus<br>WEEE |

### Electrical connection

|                                     |  |
|-------------------------------------|--|
| Bending radius min., flexible cable | 10 x D   |
| Cable                               | TPE Shielded teal, 30 m, drag chain compatible |
| Cable diameter D                    | 6.10 mm ±0.25 mm                               |
| Cable, bending cycles min.          | 10 mil.  |
| Cable, note                         | Ethernet, CAT 5E                               |
| Conductor cross-section             | 24 AWG   |
| Connection 1                        | M12x1-Male, straight, 4-pin, D-coded           |
| Connection 2                        | M12x1-Male, straight, 4-pin, D-coded           |
| Number of conductors                | 4  |
| System                              | Molded/Molded                                  |

### Electrical data

|                             |                    |
|-----------------------------|--------------------|
| Cable rated voltage AC max. | 600 V              |
| Cable rated voltage DC max. | 600 V              |
| Conductor construction      | 2x2 twisted-pair   |
| Conductor resistance        | ≤ 26.0 Ohm/1000 ft |
| Coupling resistance max.    | 100 Ohm ±15 Ohm    |
| Operating capacitance       | 13.5 pF/ft         |
| Operating voltage Ub        | 60 VDC             |
| Rated current (40 °C)       | 1.5 A              |
| Transfer rate               | 10/100 Mbit/s      |

### Environmental conditions

|                                     |             |
|-------------------------------------|-------------|
| Cable temperature, flexible routing | -40...80 °C |
| IP rating                           | IP67/IP67   |

### Material

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

### Mechanical data

|                           |                       |
|---------------------------|-----------------------|
| Cable jacket, color       | teal                  |
| Cable length L            | 30.00 m               |
| Cable properties          | drag chain compatible |
| Tightening torque pigtail | 0.6 Nm/0.6 Nm         |

## Remarks

Cable construction acc. to UL CMX Outdoor or AWM Style 2463  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.  
360° shield on cover nut

## Connector Drawings



I, II

PIN 1: white/orange

PIN 2: white/green

PIN 3: orange

PIN 4: green

## Wiring Diagrams



1) Shield on cover nut