

## Technical data sheet

### Actuator sensor interface · Network cables ETHERNET

**Male M12 straight on female M12 straight with PUR cable, shielded 360°  
CAT6A (10 GBit/s), 8 pole X-coded, IP67, self-locking screw connection  
C-track compatible, torsion resistant, halogen free**



#### Identification

Type STG8-M12 X/KUG8-M12 X(C) 10M PUR  
Part No. [475601.1000](#)

#### Product version

Datasheet version 00

#### General

|                                    |                                 |
|------------------------------------|---------------------------------|
| Design                             | M 12×1                          |
| Form male 1                        | M 12 Male Straight              |
| Form male 2                        | M 12 Female Straight            |
| Degree of pollution                | 3                               |
| Degree of protection               | IP65/67                         |
| Housing material                   | TPU                             |
| Color of the housing               | Black                           |
| Contact material                   | CuZn, gold-plated               |
| Thread material                    | Zinc die-casting, nickel-plated |
| Mounting                           | Breakaway torque 0.4 Nm         |
| Number of conductors/cross-section | (4×2×AWG24/7)                   |
| Number of conductors               | 8                               |
| Jacket material                    | PUR                             |
| Jacket color                       | green RAL 6018                  |
| Conductor insulation               | PP                              |
| Cable diameter                     | 8.9 mm                          |
| Minimum bending radius fixed       | 4×D                             |
| Minimum bending radius moving      | 15×D                            |

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Part No. [475601.1000](#) • Datasheet version: 00

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|                             |                   |
|-----------------------------|-------------------|
| Storage temperature range   | -25 °C ... +90 °C |
| Temperature range connector | -25 °C ... +85 °C |
| Temperature range fixed     | -40 °C ... +80 °C |
| Temperature range moving    | -30 °C ... +70 °C |
| Contact durability          | ≥100              |
| C-track chain properties    | Type C            |
| Weight/unit                 | 0.88 kg           |
| PU (units)                  | 1                 |

#### Technical data

|                     |                                             |
|---------------------|---------------------------------------------|
| Rated voltage $U_N$ | AC/DC 24 V                                  |
| Operating voltage   | max. AC 48 V<br>max. DC 60 V                |
| Max. Power PoE      | Power over Ethernet (PoE++ IEE 802.3bt) 60W |
| Rated current       | 0.5 A                                       |
| Pole number         | 8                                           |
| Cable length        | 10 m                                        |
| Transfer rate       | CAT6A, 10Gbit/s                             |
| Coding              | X                                           |
| Shielding           | 360°                                        |

#### Certifications/Standards

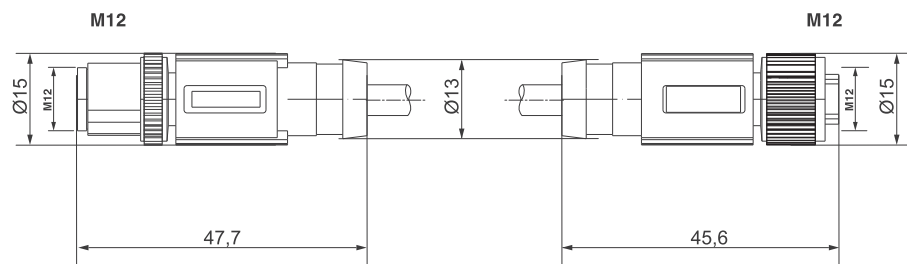
|                               |                                             |
|-------------------------------|---------------------------------------------|
| Halogen free according to     | Cable<br>EN 60754-1                         |
| Burning behavior according to | Cable<br>IEC 60332-1-2<br>(flame retardant) |
| Standards                     | Connector<br>IEC 61076-2-109                |

#### Equipment/Spare parts

##### Accessories

**Torque setting tool M 12:** Part-No. 490091 | DM-SET M12 | PU: 1 unit

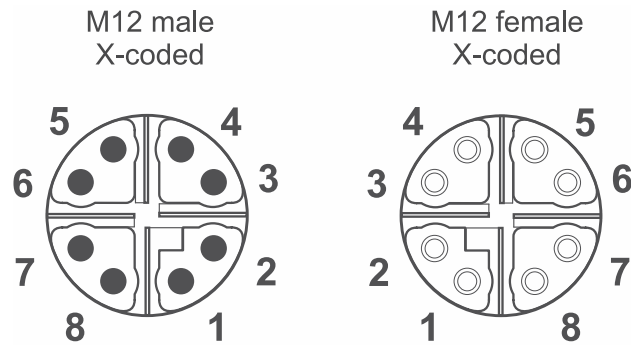
#### Dimensions



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### Pin layout



### Circuit diagram

