

## Technical data sheet

### Actuator sensor interface · M12 - cables

**Male M12 straight with PUR cable, open end**  
**Self-locking screw connection**  
**C-track compatible, halogen free**



#### Identification

Type STG5-M12 5M PUR  
Part No. [473050](#)

#### Product version

Datasheet version 00

#### General

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Design                             | M 12×1                              |
| Form male 1                        | M 12 male straight                  |
| Form male 2                        | line end open                       |
| Rated insulation voltage           | 63 V                                |
| Test voltage                       | 1500 V                              |
| Degree of pollution                | 3                                   |
| Contact resistance                 | <5 mΩ                               |
| Flamability according to UL 94     | HB                                  |
| Degree of protection               | IP65/67/68                          |
| Housing material                   | TPU                                 |
| Color of the housing               | black                               |
| Contact material                   | CuSn, gold-plated                   |
| Thread material                    | Zinc die-casting, nickel-plated     |
| Mounting                           | Breakaway torque 0.4 Nm             |
| Number of conductors/cross-section | 5 × 0.34 mm <sup>2</sup> (42 × 0.1) |
| Number of conductors               | 5                                   |
| Conductor color                    | various                             |
| Jacket material                    | PUR                                 |

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|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jacket color                       | black                                                                                                                                                                                                                                                                                     |
| Conductor insulation               | PP                                                                                                                                                                                                                                                                                        |
| Cable diameter                     | 4.5 mm                                                                                                                                                                                                                                                                                    |
| Minimum bending radius moving      | 10×D                                                                                                                                                                                                                                                                                      |
| Storage temperature range          | -30 °C ... +90 °C                                                                                                                                                                                                                                                                         |
| Temperature range connector        | -25 °C ... +90 °C                                                                                                                                                                                                                                                                         |
| Temperature range fixed            | -40 °C ... +80 °C                                                                                                                                                                                                                                                                         |
| Temperature range moving           | -25 °C ... +80 °C                                                                                                                                                                                                                                                                         |
| C-track chain properties           | Type B                                                                                                                                                                                                                                                                                    |
| Conduction properties (TYPE A+B+C) | PUR halogen free for extreme demands<br>Very good chemical stability<br>Very resistant to oils and lubricants<br>Very high abrasion resistance<br>Halogen free<br>Silicone free, free of paint wetting impairment substances<br>Resistant to microbes and hydrolysis<br>Good UV stability |
| Weight/unit                        | 0.25 kg                                                                                                                                                                                                                                                                                   |
| PU (units)                         | 1                                                                                                                                                                                                                                                                                         |

#### Technical data

|                        |            |
|------------------------|------------|
| Rated voltage $U_N$    | AC/DC 24 V |
| Operating voltage max. | 48         |
| Rated current          | 4 A        |
| Pole number            | 5          |
| Cable length           | 5 m        |
| Coding                 | A          |

#### Certifications/Standards

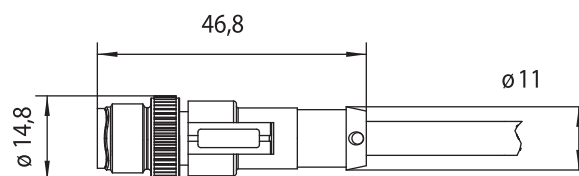
|                           |                        |
|---------------------------|------------------------|
| UV-resistant according to | DIN EN ISO 4892-2-A    |
| Certifications            | cULus Listed (E224249) |

#### Equipment/Spare parts

##### Accessories

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

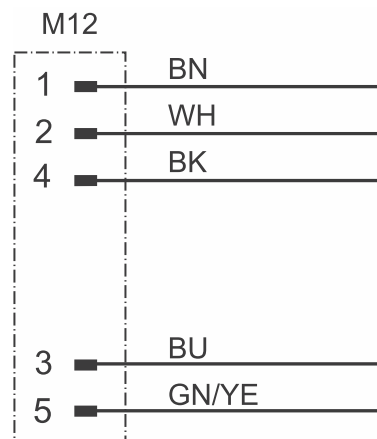
#### Dimensions



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### PIN assignment



### Pin layout

