

## Technical data sheet

Actuator sensor interface · M12 / M12 - cables

**Male M12 straight to female M12 angled with PUR cable**  
**Self-locking screw connection**  
**C-track compatible, halogen free**



### Identification

Type STG4-M12/KUW4-M12 1,5M PUR  
Part No. [418015](#)

### Product version

Datasheet version 00

### Use/Application/Properties

Properties

- Silicone free
- Free from paint wetting disruptive substances (LABS-free)
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Resistance to acids, alkalines and watery solutions

### General

|                                |                             |
|--------------------------------|-----------------------------|
| Design                         | M 12×1/M 12×1               |
| Form male 1                    | M 12 male straight          |
| Form male 2                    | M 12 female angle connector |
| Rated insulation voltage       | 320 V                       |
| Test voltage                   | 2500 V                      |
| Degree of pollution            | 3                           |
| Insulation resistance          | >1000 MΩ                    |
| Contact resistance             | <5 mΩ                       |
| Flamability according to UL 94 | HB                          |
| Degree of protection           | IP65/67/68                  |
| Housing material               | TPU                         |
| Color of the housing           | black                       |

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Part No. [418015](#) • Datasheet version: 00

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|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact material                   | CuSn, gold-plated                                                                                                                                                                                                                                                                         |
| Thread material                    | Zinc die-casting, nickel-plated                                                                                                                                                                                                                                                           |
| Material sealing ring              | NBR                                                                                                                                                                                                                                                                                       |
| Mounting                           | Breakaway torque 0.4 Nm                                                                                                                                                                                                                                                                   |
| Number of conductors/cross-section | 4 × 0.34 mm <sup>2</sup> (42 × 0.1)                                                                                                                                                                                                                                                       |
| Number of conductors               | 4                                                                                                                                                                                                                                                                                         |
| Jacket material                    | PUR                                                                                                                                                                                                                                                                                       |
| Jacket color                       | black                                                                                                                                                                                                                                                                                     |
| Conductor insulation               | PP                                                                                                                                                                                                                                                                                        |
| Cable diameter                     | 4.1 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                        | 0.1 kg                                                                                                                                                                                                                                                                                    |
| PU (units)                         | 1                                                                                                                                                                                                                                                                                         |

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#### Technical data

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|                              |            |
|------------------------------|------------|
| Rated voltage U <sub>N</sub> | AC/DC 24 V |
| Operating voltage max.       | 250 V      |
| Rated current                | 4 A        |
| Pole number                  | 4          |
| Cable length                 | 1.5 m      |
| Coding                       | A          |

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#### Certifications/Standards

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

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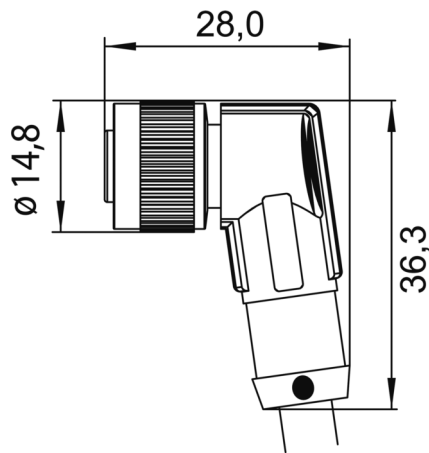
#### Equipment/Spare parts

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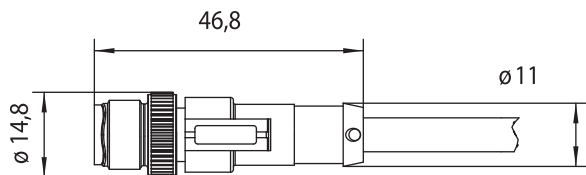
##### Accessories

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

Dimensions



Dimensions



PIN assignment

