

## Technical data sheet

### Actuator sensor interface · M12 - cables

Female M12 angled, with LEDs and PUR cable, open end  
Self-locking screw connection  
C-track compatible, halogen free



#### Identification

Type KUW/LED A-M12 10M PUR  
Part No. [468100](#)

#### 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                          |
| Form male 1                    | M 12 female angle connector     |
| Form male 2                    | line end open                   |
| Rated insulation voltage       | 32 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 |

#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
[www.lutze.com](http://www.lutze.com) • [sales.gb@lutze.co.uk](mailto:sales.gb@lutze.co.uk)

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)  
[www.luetze.de](http://www.luetze.de) • [info@luetze.de](mailto:info@luetze.de)

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Part No. [468100](#) • Datasheet version: 00

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|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material sealing ring              | NBR                                                                                                                                                                                                                                                                                       |
| Mounting                           | Torque 0.4 Nm                                                                                                                                                                                                                                                                             |
| Number of conductors/cross-section | 3 × 0.34 mm <sup>2</sup> (42 × 0.1)                                                                                                                                                                                                                                                       |
| Number of conductors               | 3                                                                                                                                                                                                                                                                                         |
| Conductor color                    | black, blue, brown                                                                                                                                                                                                                                                                        |
| Jacket material                    | PUR                                                                                                                                                                                                                                                                                       |
| Jacket color                       | black                                                                                                                                                                                                                                                                                     |
| Conductor insulation               | PP                                                                                                                                                                                                                                                                                        |
| Cable diameter                     | 3.8 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                        | 0.37 kg                                                                                                                                                                                                                                                                                   |
| PU (units)                         | 1                                                                                                                                                                                                                                                                                         |

### Technical data

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Rated voltage U <sub>N</sub> | DC 24 V                                         |
| Rated voltage min.           | 10 V                                            |
| Operating voltage max.       | 28 V                                            |
| Rated current                | 4 A                                             |
| Pole number                  | 3                                               |
| Cable length                 | 10 m                                            |
| Status indication            | Operating voltage: LED green<br>I/O: LED yellow |
| Current Consumption          | 10 mA                                           |
| Coding                       | A                                               |

### Certifications/Standards

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

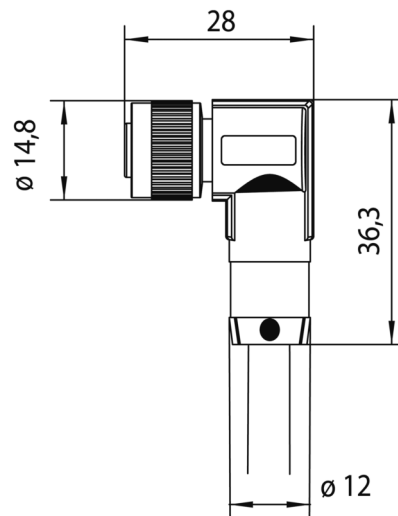
### Equipment/Spare parts

|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| <b>Accessories</b> | <b>Torque setting tool M 12:</b> Part-No. 490091   DM-SET M12   PU: 1 unit |
|--------------------|----------------------------------------------------------------------------|

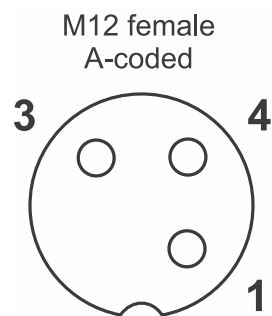
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### Dimensions



### Pin layout



### Circuit diagram

