

## Technical data sheet

Actuator sensor interface · M12 / M12 - cables

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**Male M12 straight to female M12, straight with PUR cable**

**Self-locking screw connection**

**C-track compatible, halogen free**



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### Identification

|          |                            |
|----------|----------------------------|
| Type     | STG4-M12/KUG4-M12 5,0M PUR |
| Part No. | <a href="#">429050</a>     |

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### Product version

|                   |    |
|-------------------|----|
| Datasheet version | 00 |
|-------------------|----|

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### Use/Application/Properties

|            |                                                                                                                                                                                                                                                                        |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Properties | <ul style="list-style-type: none"><li>• Silicone free</li><li>• Free from paint wetting disruptive substances (LABS-free)</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Resistance to acids, alkalines and watery solutions</li></ul> |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### General

|                                |                      |
|--------------------------------|----------------------|
| Design                         | M 12×1               |
| Form male 1                    | M 12 male straight   |
| Form male 2                    | M 12 female straight |
| Rated insulation voltage       | 320 V                |
| Test voltage                   | 2500 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    |

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page 1 of 3



SYSTEMATIC TECHNOLOGY

## Technical data sheet

### Actuator sensor interface · M12 / M12 - cables

|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                        | 0.26 kg                                                                                                                                                                                                                                                                                   |
| PU (units)                         | 1                                                                                                                                                                                                                                                                                         |

### Technical data

|                              |            |
|------------------------------|------------|
| Rated voltage U <sub>N</sub> | AC/DC 24 V |
| Operating voltage max.       | 250 V      |
| Rated current                | 4 A        |
| Pole number                  | 4          |
| Cable length                 | 5 m        |
| Coding                       | A          |

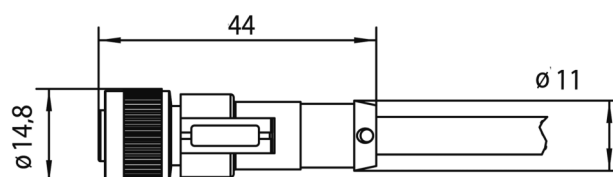
### Certifications/Standards

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

### Equipment/Spare parts

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

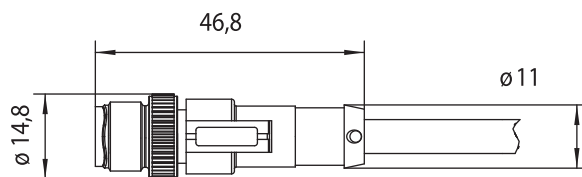
### Dimensions



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### Dimensions



### PIN assignment

