

## Technical data sheet - Actuator sensor interface

M8 / M8 – cables



|                                     |  |                                    |
|-------------------------------------|--|------------------------------------|
| <b>Identification</b>               | Type<br>Part-No.   | STG3-M8/KUG3-M8 1,5M PUR<br>487015 |
| <b>Description</b>                  | Male M8 straight to female M8 straight with PUR cable<br>self-locking screwed connection<br>c-track compatible, halogen free |                                    |
| <b>Technical data</b>               |  |                                    |
| Nominal voltage                     | AC/DC 24 V   |                                    |
| Nominal voltage range               | max. 60 V  |                                    |
| Rated current                       | 4 A  |                                    |
| Pol number                          | 3  |                                    |
| Cable length (m)                    | 1.5 m  |                                    |
| Cable length                        | 1.5 m  |                                    |
| <b>General</b>                      |  |                                    |
| Form                                | M8 × 1, male straight / M8 × 1, female straight  |                                    |
| Rated insulation voltage (EN 50178) | 100 V  |                                    |
| Test voltage                        | 1.5 kV   |                                    |
| Pollution degree                    | 3  |                                    |
| Insulation resistance               | $>10^9 \Omega$   |                                    |
| Contact resistance                  | $<5 \text{ m}\Omega$   |                                    |

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Part-No. 487015

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SYSTEMATIC TECHNOLOGY

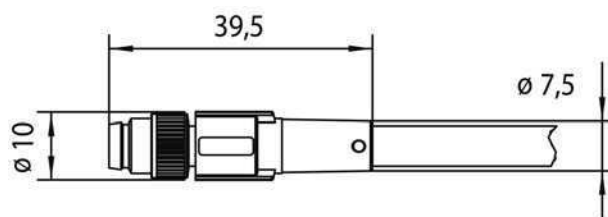
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|  |                                     |
|--|-------------------------------------|
| Class of flammability according to UL 94 | V0                                  |
| Protection class                         | IP IP65/IP67/IP68                   |
| Housing material                         | TPU black                           |
| Contact material                         | CuSn, gold plated nickel            |
| Thread material                          | Zinc die-casting, nickel-plated     |
| Sealing ring                             | NBR                                 |
| Cable construction                       | 3 × 0.25 mm <sup>2</sup> (32 × 0.1) |
| Cable jacket                             | PUR black                           |
| Conductor insulation                     | PP                                  |
| Cable diameter                           | 4.4 mm                              |
| Bending radius                           | 10 × cable diameter                 |
| Storage temperature range                | -30 °C ... 90 °C                    |
| Temperature range connector              | -25 °C – 90 °C                      |
| Temperature range cable fixed            | -40 °C – 80 °C                      |
| Temperature range cable moving           | -25 °C – 80 °C                      |
| Weight (kg/piece)                        | 0.050                               |
| Approvals                                | cULus                               |
| PU                                       | 1                                   |
| C-track chain properties                 | Type B                              |

### C-track chain properties

| C-track chain properties           | Type A   | Type B              | Type C             |
|------------------------------------|--|---------------------|--------------------|
| Bending cycles min.                | 5 million  | 4 million           | 2 million          |
| Minimum bending radius             | 10 × D   | 10 × D              | 10 × D             |
| Travel distance                    | 10 m   | 10 m                | 5 m                |
| Acceleration                       | 7 m/s <sup>2</sup>   | 10 m/s <sup>2</sup> | 5 m/s <sup>2</sup> |
| Speed                              | 3 m/s  | 3 m/s               | 3 m/s              |
| Conduction properties (TYPE A+B+C) | PUR halogen free for extreme demands <ul style="list-style-type: none"> <li>• Very good chemical stability</li> <li>• Very resistant to oils and lubricants</li> <li>• Very high abrasion resistance</li> <li>• Halogen free</li> <li>• Silicone free, free of paint wetting impairment substances</li> <li>• Resistant to microbes and hydrolysis</li> <li>• Good UV stability</li> </ul> |                     |                    |

### Dimensions



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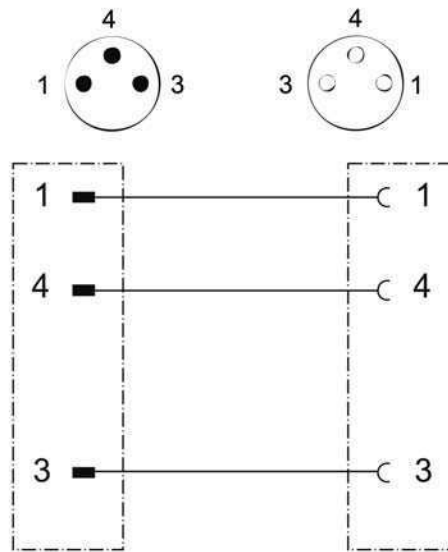
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## PIN assignment



## Symbols



## Accessories

| Accessories            | Article number | Type      | PU |
|------------------------|----------------|-----------|----|
| Cable markers 4×23mm   | 499988         | LB M8/M12 | 5  |
| Torque setting tool M8 | 490090         | DM-SET M8 | 1  |

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