

M8 - connector



|                       |   |                              |
|-----------------------|---|------------------------------|
| <b>Identification</b> | Type<br>Part-No.  | KUGK-M8 3 POL. SNK<br>490125 |
| <b>Description</b>    | field wireable connector, M8 straight<br>Male / female<br>IDC quick-connect technology  |                              |
| <b>Technical data</b> | Nominal voltage AC/DC 24 V<br>Nominal voltage range max. 60 V<br>Pol number 3   |                              |
| <b>General</b>        | Form M8 × 1, female<br>Test voltage 1.5 kV<br>Pollution degree 3<br>Insulation resistance $\geq 100 \text{ M}\Omega$<br>Contact resistance $\leq 5 \text{ m}\Omega$<br>Class of flammability according to UL 94 V0<br>Protection class IP 67, in screwed condition<br>Housing material PA 6 black<br>Contact material CuSn, gold-plated |                              |

30.01.2017 – Subject to technical modification

Part-No. 490125

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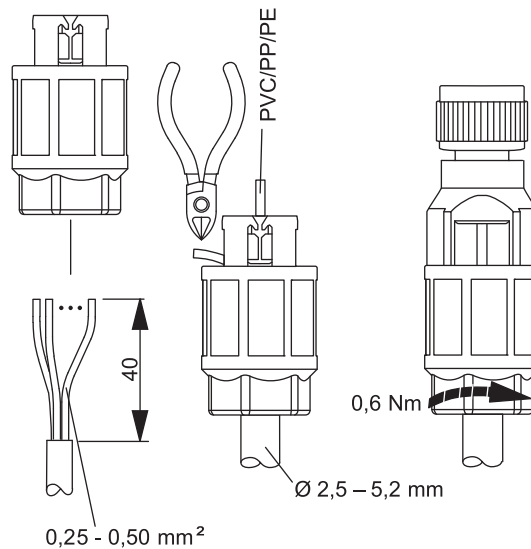


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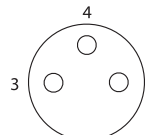
## Technical data sheet - Actuator sensor interface

|                             |  |
|-----------------------------|--|
| Thread material             | CuSn nickel plated                                     |
| Sealing ring                | NBR  |
| Conductor insulation        | PVC / PE / PP  |
| Cable diameter              | 2.5 – 5 mm   |
| Storage temperature range   | -40 °C ... 90 °C                                       |
| Temperature range connector | -40 °C – 80 °C   |
| Mechanical service life     | 10× connection of cables with the same gauge           |
| Weight (kg/piece)           | 0.007  |
| Termination                 | IDC 0.25 – 0.5 mm <sup>2</sup> , AWG 22/24, class 2– 6 |
| Standards                   | IEC 61076-2-104  |
| PU                          | 1  |

### Mounting diagram



### Pin layout



| Accessories     | Article number | Type   | Outer jacket |
|-----------------|----------------|--------|--------------|
| matching cables | 117240         | 3×0.25 | PUR          |
|                 | 117241         | 4×0.25 | PUR          |
|                 | 117243         | 3×0.34 | PUR          |
|                 | 117244         | 4×0.34 | PUR          |

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