



## Female connector

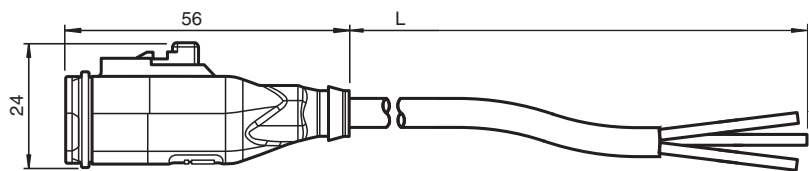
### DT3S-G-BK10M-PUR-O1

- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- Halogen-free
- Snap locking

Female cordset single-ended Deutsch socket straight, 3-pin, PUR cable black, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

|                   |  |                    |
|-------------------|--|--------------------|
| Connector 1       |  |                    |
| Connection        |  | socket             |
| Construction type |  | Deutsch connectors |
| Style             |  | straight           |
| Locking           |  | Snap locking       |
| Number of pins    |  | 3                  |
| Connector 2       |  |                    |
| Connection        |  | cable end          |

#### Electrical specifications

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 8 A Per contact   |

#### Conformity

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Degree of protection |  | EN 60529                            |
| Flammability         |  | UL 1581; DIN EN 60332-2-2           |
| Halogen-free         |  | DIN VDE 0472-815 / DIN EN 50267-2-1 |

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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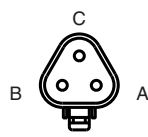
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## Technical Data

|                                  |   |                                                              |
|----------------------------------|---|--------------------------------------------------------------|
| Oil resistance                   |   | DIN EN 60811-2-1                                             |
| <b>Ambient conditions</b>        |   |                                                              |
| Ambient temperature              |   |                                                              |
| Plug connector                   |   | -40 ... 125 °C (-40 ... 257 °F)                              |
| Cable, fixed                     |   | -50 ... 105 °C (-58 ... 221 °F)                              |
| Cable, flexing                   |   | -30 ... 105 °C (-22 ... 221 °F)                              |
| Pollution degree                 |   | 3                                                            |
| <b>Mechanical specifications</b> |   |                                                              |
| Plug connector                   |   |                                                              |
| Loosening protection             |   | available                                                    |
| Degree of protection             |   | IP68                                                         |
| Cable                            |   | according to IEC/EN 60228 (DIN VDE 0295) class 6             |
| Sheath diameter                  |   | 4.5 mm                                                       |
| Bending radius                   |   | > 10 x cable diameter, moving<br>> 8 x cable diameter, fixed |
| Sheath stripping force           |   | max. 50 N / 300 mm                                           |
| Sheath color                     |   | black (similar to RAL 7021)                                  |
| Number of cores                  |   | 3                                                            |
| Core cross-section               |   | 0.5 mm <sup>2</sup>                                          |
| Cores color                      |   | Core A: brown<br>Core B: blue<br>Core C: black               |
| Core construction                |   | 28 x 0.15 mm Ø<br>1 x symmetrically twisted                  |
| Length                           | L | 10 m                                                         |
| Cable code                       |   | Li 9Y 11Y 3 x 0,50                                           |
| Drag chain suitability           |   |                                                              |
| Drag chain cycles                |   | min. 2000000                                                 |
| Motion velocity                  |   | max. 3 m/s                                                   |
| Traverse distance                |   | 10 m                                                         |
| Acceleration                     |   | max. 10 m/s <sup>2</sup>                                     |
| <b>Material</b>                  |   |                                                              |
| Halogen-free                     |   | yes                                                          |
| Plug connector                   |   |                                                              |
| Body                             |   | PA, black                                                    |
| Contact surface                  |   | Ni                                                           |
| Flammability                     |   | V-0                                                          |
| Cable                            |   |                                                              |
| Sheathing                        |   | PUR based on polyether                                       |
| Core insulation                  |   | PP                                                           |
| Salt water resistance            |   | yes                                                          |
| UV resistance                    |   | yes                                                          |
| Chemical resistance              |   | good                                                         |
| Oil resistance                   |   | yes                                                          |
| Cooling lubricant resistance     |   | yes                                                          |
| Microbial resistance             |   | yes                                                          |
| Hydrolysis resistance            |   | yes                                                          |
| Flammability                     |   | FT2                                                          |

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Connection Assignment



|   |       |    |
|---|-------|----|
| A | _____ | BN |
| B | _____ | BU |
| C | _____ | BK |

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