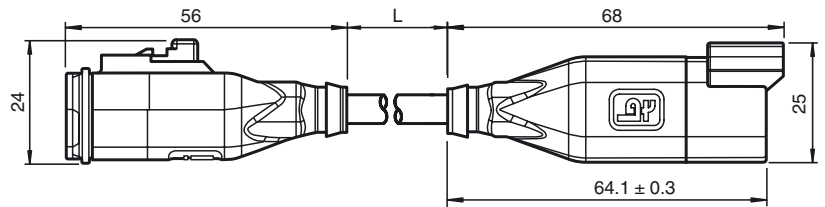




**Dimensions**



**Model Number**

**DT3S-G-BK1,5M-PUR-O1-DT3P-G**

Cordset, Deutsch connector to Deutsch socket, 3-pin PUR cable, outdoor

**Features**

- Oil and abrasion resistant PUR line appropriate for drag chains
- Resistant to microbes and hydrolysis
- Resistant to salt water
- Suitable for outdoor use (UV- and ozone resistant)
- Halogen-free

**Technical data**

**General specifications**

|                     |                    |
|---------------------|--------------------|
| Number of pins      | 3                  |
| Connection 1        | socket             |
| Construction type 1 | straight           |
| Threading 1         | Deutsch connectors |
| Connection 2        | Male connector     |
| Construction type 2 | straight           |
| Threading 2         | Deutsch connectors |

**Electrical specifications**

|                   |       |                        |
|-------------------|-------|------------------------|
| Operating voltage | $U_B$ | max. 48 V AC / 60 V DC |
| Operating current | $I_B$ | max. 8 A Per contact   |
| Lead resistance   |       | Max. 39 $\Omega$ /km   |

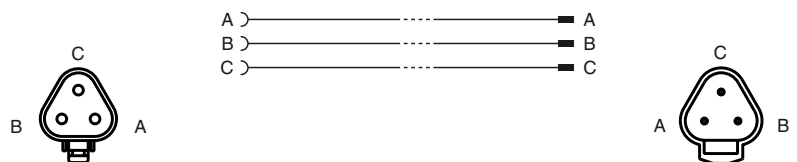
**Ambient conditions**

|                     |   |
|---------------------|---|
| Ambient temperature | Body: -40 ... 125 °C (-40 ... 257 °F)<br>cable, fixed: -50 ... 105 °C (-58 ... 221 °F)<br>cable, flexing: -30 ... 105 °C (-22 ... 221 °F) |
| Pollution degree    | 3   |

**Mechanical specifications**

|                        |  |
|------------------------|--|
| Contact elements       | spring-loaded contact socket                                 |
| Degree of protection   | IP68   |
| Cable code             | LI9Y 3x0,50 mm <sup>2</sup> 11Y                              |
| Material               |  |
| Contacts               | Cu alloy   |
| Contact surface        | Ni   |
| Body                   | PA, black  |
| Cable                  | PUR  |
| Core insulation        | PP   |
| Cable                  | fine-strand, flexible  |
| Sheath diameter        | $\varnothing$ 4.5 mm $\pm$ 0.15 mm                           |
| Bending radius         | > 10 x cable diameter, moving<br>> 5 x cable diameter, fixed |
| Color                  | black (Similar to RAL 9005)                                  |
| Number of cores        | 3  |
| Core cross-section     | 0.5 mm <sup>2</sup>  |
| Conductor construction | 28 x 0.15 mm $\varnothing$<br>1 x symmetrically twisted      |
| Length                 | L 1.5 m  |
| Drag chain suitability |  |
| Drag chain cycles      | $\geq$ 2000000   |
| Motion velocity        | $\leq$ 3 m/s   |
| Traverse distance      | $\leq$ 10 m  |
| Acceleration           | $\leq$ 10 m/s <sup>2</sup>                                   |
| Flammability           |  |
| Contact carrier        | V-2  |

**Electrical connection**



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

|   |                                      |
|---|--------------------------------------|
| Housing   | V-0                                  |
| Cable   | cURus AWM 21924/11558 105°C 300V FT2 |
| <b>Compliance with standards and directives</b> |                                      |
| Standard conformity                             |                                      |
| Degree of protection                            | EN 60529:2000                        |
| Standards                                       | IEC 61076-2-101:2008                 |
| Flammability                                    | UL 1581; DIN EN 60332-2-2            |
| Halogen-free                                    | DIN VDE 0472-815<br>DIN EN 50267-2-1 |
| Chemical resistance                             | DIN EN 60811-2-1:2002<br>IRM 902     |
| <b>Approvals and certificates</b>               |                                      |
| UL approval                                     | cURus AWM 21924/11558 105°C 300V FT2 |

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