

## SAIL-7/8G7/8G-5-3.0U

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Dimensioned drawing



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

The 7/8" cables tend to be used for power supply applications.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

### General ordering data

|            |   |
|------------|---|
| Version    | Sensor/actuator line, 7/8", Number of poles : 5 (4 + PE), 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2519450300</a>  |
| Type       | SAIL-7/8G7/8G-5-3.0U  |
| GTIN (EAN) | 4050118533620   |
| Qty.       | 1 pc(s).  |

Creation date December 4, 2023 1:21:48 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight 250 g

### Technical specifications for cable

|                               |   |  |                        |
|-------------------------------|---|--|------------------------|
| Bending radius, min., moving  | 7.5 x cable diameter                    | Cable length                                   | 3 m                    |
| Colour coding                 | brown, white, blue, black, Green/yellow | Configurable cable length                      | No                     |
| Core cross-section            | 1.5 mm <sup>2</sup>                     | Halogen  | No                     |
| Insulation                    | TPM                                     | Irradiation crosslinked                        | No                     |
| Number of poles               | 5 (4 + PE)                              | Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) |
| Outside diameter              | 8.7 mm ± 0.2 mm                         | PE function                                    | Yes                    |
| Resistant to welding beads    | No                                      | Sheath material                                | PUR                    |
| Sheathing colour              | black                                   | Shielded                                       | No                     |
| Suitable for cable carriers   | Yes                                     | Temperature range, moving                      | -20...80 °C            |
| Temperature range, stationary | -50...80 °C                             | Torsion resistance                             | 0 °/m                  |
| Welding spark resistance      | No                                      |  |                        |

### General technical data

|                              |                |                        |                                  |
|------------------------------|----------------|------------------------|----------------------------------|
| Coding                       | none           | Connection thread      | 7/8"                             |
| Contact material             | CuZn           | Contact surface        | Au (Gold)                        |
| Housing main material        | PUR            | Insulation strength    | 10 <sup>8</sup> Ω                |
| LED                          | No             | Plugging cycles        | ≥ 100                            |
| Pollution severity           | 3              | Protection degree      | IP68, when screwed in            |
| Rated current                | 9 A            | Rated impulse voltage  | 2,500 V                          |
| Rated voltage                | 300 V          | Rated voltage (UL)     | 600 V                            |
| Temperature range of housing | -40 ... +85 °C | Threaded ring material | Diecast zinc                     |
| Tightening torque            | 7/8": 1.5 Nm   | Version                | pin, straight - socket, straight |
| jumpered                     | No             |                        |                                  |

### Electrical properties

|                     |                   |               |       |
|---------------------|-------------------|---------------|-------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 300 V |
| Volume resistance   | ≤3 mΩ             |               |       |

### Plug

|                       |   |                |
|-----------------------|---|----------------|
| Plug                  | Cable side  | left           |
|                       | Protection degree (IP)                              | IP68           |
|                       | Gender of contact                                   | male contact   |
|                       | Outlet direction                                    | straight       |
|                       | Housing main material                               | Plastic        |
|                       | Shielding available                                 | No             |
|                       | Cable side  | right          |
|                       | Protection degree (IP)                              | IP68           |
|                       | Gender of contact                                   | female contact |
|                       | Outlet direction                                    | straight       |
| Housing main material | Plastic   |                |
| Shielding available   | No  |                |
| Plug left             | IP68, male contact, straight, Plastic, unshielded   |                |
| Plug right            | IP68, female contact, straight, Plastic, unshielded |                |

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ECLASS 9.0  | 27-06-03-11 | ECLASS 9.1  | 27-06-03-11 |
| ECLASS 10.0 | 27-06-03-11 | ECLASS 11.0 | 27-06-03-11 |
| ECLASS 12.0 | 27-06-03-11 | ECLASS 13.0 | 27060311    |

**Environmental Product Compliance**

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |

**Approvals**

Approvals



ROHS Conform

**Downloads**

|                  |  |
|------------------|--|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |

**Data sheet**

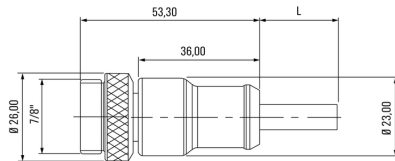
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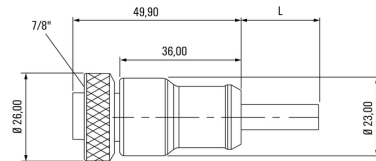
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**Drawings**

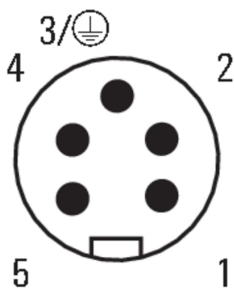
**Dimensioned drawing**



**Pole scheme**



**Pole scheme**



**Wiring diagram**

