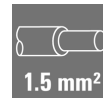


**SAIL-7/8BG-3-5.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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, One end without connector, 7/8", Number of poles : 3 (2 + PE), 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1292100500</a>                                                                                                                                                  |
| Type       | SAIL-7/8BG-3-5.0U                                                                                                                                                           |
| GTIN (EAN) | 4050118089196                                                                                                                                                               |
| Qty.       | 1 pc(s).                                                                                                                                                                    |

Creation date January 22, 2022 10:32:29 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 250 g |
|------------|-------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Technical specifications for cable**

|                                                |                           |                               |                 |
|------------------------------------------------|---------------------------|-------------------------------|-----------------|
| Bending radius, min., moving                   | 7.5 x cable diameter      | Cable length                  | 5 m             |
| Colour coding                                  | blue, brown, Green/yellow | Configurable cable length     | No              |
| Core cross-section                             | 1.5 mm <sup>2</sup>       | Halogen                       | No              |
| Insulation                                     | TPM                       | Number of poles               | 3 (2 + PE)      |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)    | Outside diameter              | 7.4 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                     |                               |                 |

**General technical data**

|                        |                       |                              |                         |
|------------------------|-----------------------|------------------------------|-------------------------|
| Coding                 | none                  | Connection thread            | 7/8"                    |
| 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                | 12 A                    |
| Rated voltage          | 300 V                 | Temperature range of housing | -40 ... +85 °C          |
| Threaded ring material | Diecast zinc          | Version                      | Female socket, straight |
| jumpered               | No                    |                              |                         |

**Electrical properties**

|                     |                   |               |                                    |
|---------------------|-------------------|---------------|------------------------------------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated current | 9 A (4- and 5-pole), 12 A (3-pole) |
| Rated voltage       | 300 V             |               |                                    |

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | 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 |             |             |

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## Technical data

### Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

### Downloads

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">EPLAN, WSCAD</a>             |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

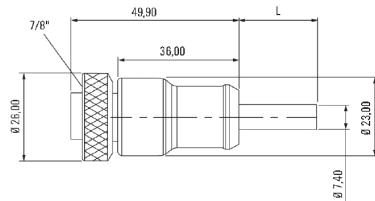
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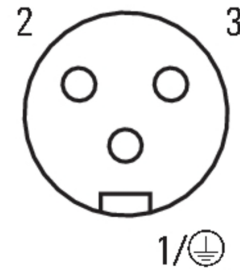
## Drawings

### Dimensioned drawing



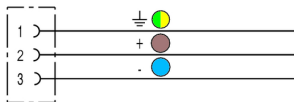
Straight socket

### Pole scheme



Socket

### Wiring diagram



### The ideal tool: Screwty<sup>®</sup> with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

# Mouser Electronics

Authorized Distributor

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[1292100500](#)