

## SAIL-7/8BG-3-10U

**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), 10 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1292101000</a>   |
| Type       | SAIL-7/8BG-3-10U   |
| GTIN (EAN) | 4050118089400  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E307231                    |

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 500 g |
|------------|-------|

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

## Technical specifications for cable

|                               |                           |  |                        |
|-------------------------------|---------------------------|--|------------------------|
| Cable length                  | 10 m                      | Sheathing colour                               | black                  |
| PE function                   | Yes                       | Suitable for cable carriers                    | Yes                    |
| Core cross-section            | 1.5 mm <sup>2</sup>       | Shielded                                       | No                     |
| Halogen                       | No                        | Insulation                                     | TPM                    |
| Bending radius, min., moving  | 7.5 x cable diameter      | Sheath material                                | PUR                    |
| Configurable cable length     | No                        | Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) |
| Irradiation crosslinked       | No                        | Welding spark resistance                       | No                     |
| Colour coding                 | blue, brown, Green/yellow | Torsion resistance                             | 0 °/m                  |
| Temperature range, stationary | -50...80 °C               | Resistant to welding beads                     | No                     |
| Temperature range, moving     | -20...80 °C               | Number of poles                                | 3 (2 + PE)             |
| Outside diameter              | 7.4 mm ± 0.2 mm           |  |                        |

## General technical data

|                        |                         |                              |                |
|------------------------|-------------------------|------------------------------|----------------|
| Coding                 | none                    | Connection thread            | 7/8"           |
| Contact surface        | Au (Gold)               | LED                          | No             |
| Version                | Female socket, straight | Housing main material        | PUR            |
| Insulation resistance  | 108 Ω                   | Contact material             | CuZn           |
| Nominal voltage        | 300 V                   | Nominal current              | 12 A           |
| Protection degree      | IP68, when screwed in   | Plugging cycles              | ≥ 100          |
| Pollution severity     | 3                       | jumpered                     | No             |
| Rated impulse voltage  | 2500 V                  | Rated voltage (UL)           | 600 V          |
| Threaded ring material | Diecast zinc            | Temperature range of housing | -40 ... +85 °C |

## Electrical properties

|                   |       |                       |                                    |
|-------------------|-------|-----------------------|------------------------------------|
| Volume resistance | ≤3 mΩ | Insulation resistance | 108 Ω                              |
| Nominal voltage   | 300 V | Rated current         | 9 A (4- and 5-pole), 12 A (3-pole) |

## General standards

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

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**Technical data****Plug, left**

|           |   |
|-----------|---|
| Plug left | 7/8", IP68, female contact, straight, Plastic, unshielded |
|-----------|---|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

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Drawings

Dimensioned drawing



Straight socket

Pole scheme



Socket

Wiring diagram



The ideal tool: Screwty® 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

