

**SAIL-7/8W-4-5.0U****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 : 4 (3 + PE), 5 m, pin, 90°deg., Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1292130500</a>   |
| Type       | SAIL-7/8W-4-5.0U   |
| GTIN (EAN) | 4050118088007  |
| Qty.       | 1 pc(s).   |

Creation date August 28, 2024 5:54:12 PM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

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

|            |       |
|------------|-------|
| Net weight | 562 g |
|------------|-------|

**Technical specifications for cable**

|                               |                           |  |                        |
|-------------------------------|---------------------------|--|------------------------|
| Bending radius, min., moving  | 7.5 x cable diameter      | Cable length                                   | 5 m                    |
| Colour coding                 | brown, white, blue, black | Configurable cable length                      | No                     |
| Core cross-section            | 1.5 mm <sup>2</sup>       | Halogen  | No                     |
| Insulation                    | TPM                       | Irradiation crosslinked                        | No                     |
| Number of poles               | 4 (3 + PE)                | Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) |
| Outside diameter              | 8 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          |
| Version                      | pin, 90&deg;   | 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             | Volume resistance | ≤3 mΩ                              |

**General standards**

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

**Plug, left**

|           |  |
|-----------|--|
| Plug left | IP68, male contact, angled<br>90°, Plastic, unshielded |
|-----------|--|

**Plug, right**

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

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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 | 27-06-03-11 |
| ECLASS 14.0 | 27-06-03-11 |             |             |

## Environmental Product Compliance

|                        |                                      |
|------------------------|--------------------------------------|
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | ebf89fc8-a87f-4691-b87a-dfb9921774b4 |
| RoHS Compliance Status | Compliant                            |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E307231    |

## Downloads

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

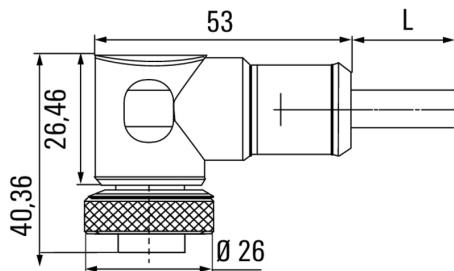
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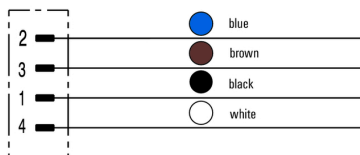
# Drawings

## Dimensioned drawing

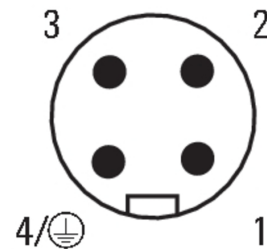


Male, angled

## Wiring diagram



## Pole scheme



Male

## 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