Data sheet

# SAIL-7/8W-3-2.0U

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

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), 2 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1292090200 |
| Type | SAIL-7/8W-3-2.0U |
| GTIN (EAN) | 4050118087864 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | |
|---|---|
| Net weight | 180 g |

### Environmental Product Compliance

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 2 m | Sheathing colour | black |
| PE function | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 1.5 mm² | Shielded | No |
| Halogen | No | Insulation | TPM |
| Bending radius, min., moving | 7.5 x cable diameter | Bending cycles | 5 Mio |
| Sheath material | PUR | Cable length configurable | 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 | pin, 90° | 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 | IP68, male contact, angled 90°, 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 | | |

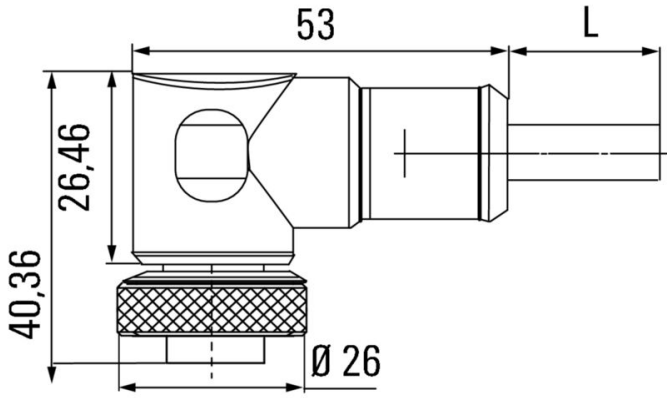
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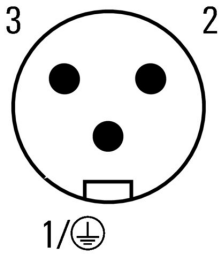
## Drawings

### Dimensioned drawing



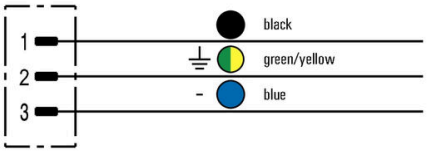

Male, angled

### Pole scheme




Male

### 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

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## Drawings