Data sheet

# SAIP-M8BW-3-10U

**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.
Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.
The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.
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, M8, Number of poles : 3, 10 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1382981000 |
| Type | SAIP-M8BW-3-10U |
| GTIN (EAN) | 4050118191905 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Last order date | 2026-09-29T00:00:00+02:00 |

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Diameter | 3.6 mm | Net weight | 105.6 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 1c533b66-fcff-4da5-b89f-fd55fbf5cb55 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 10 m | Sheathing colour | black (similar to RAL 9005) |
| Resistance to oils | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 0.25 mm² | Shielded | No |
| Halogen | No | Insulation | PP |
| Acceleration | 5 m/s² | Bending radius, min., moving | 10 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Bending cycles | 5 Mio |
| Resistance to spread of flame | in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2 | Speed | 3.33 m/s |
| Sheath material | PUR | Cable length configurable | No |
| Hydrolysis and microbe resistant | Yes | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | Irradiation crosslinked | No |
| Welding spark resistance | No | Drain wire integrated | No |
| Colour coding | brown, blue, black | Torsion resistance | 180 °/m |
| Temperature range, stationary | -50...80 °C | Resistant to welding beads | No |
| Bending cycles at torsion | > 5 Mio. | Temperature range, moving | -25...60 °C |
| Torsional length | 1 m | Number of poles | 3 |
| Outside diameter | 3.6 mm + 0.15 mm | | |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A-coded | Connection thread | M8 |
| Contact surface | Gold-plated | LED | No |
| Version | Socket, angled | Housing main material | PUR |
| Insulation resistance | 108 Ω | Nominal voltage | 60 V |
| Nominal current | 4 A | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| jumpered | No | Threaded ring material | POM |
| Temperature range of housing | -25...+85 °C | Tightening torque | M8: 0.5 - 0.6 Nm |

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## Technical data

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation resistance | 108 Ω | Nominal voltage | 60 V |

### General standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-104 | Certificate no. (cULus) | E307231 |

### Standards

| | |
|---|---|
| Connector standard | IEC 61076-2-104 |

### Plug, left

| | |
|---|---|
| Plug left | M8, IP69, female 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 | | |

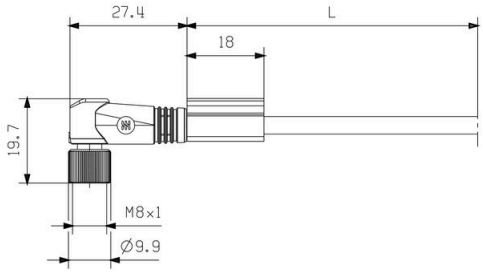
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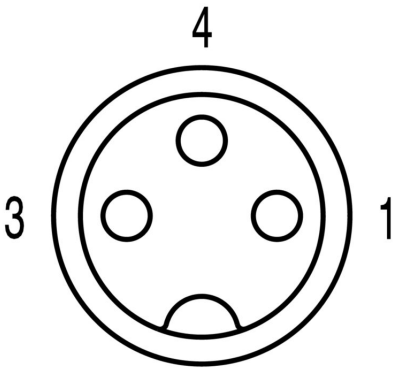
## Drawings

### Dimensioned drawing



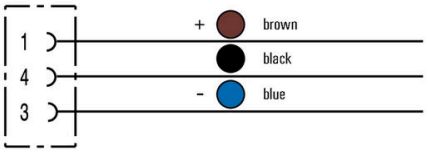

Angled socket

### 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

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## Drawings