

SAIP-M8BW-3L10U**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: Yes, Sheath material: PUR, Halogen: No |
| Order No. | 1383011000 |
| Type | SAIP-M8BW-3L10U |
| GTIN (EAN) | 4050118191875 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|-------|
| Net weight | 120 g |
|------------|-------|

Technical specifications for cable

| | | | |
|--|----------------------------------|--------------------------------------|--|
| Acceleration | 5 m/s ² | Bending cycles | 12 Mio |
| Bending cycles at torsion | > 5 Mio. | Bending radius, min., moving | 10 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Cable length | 10 m |
| Colour coding | brown, blue, black | Configurable cable length | No |
| Core cross-section | 0.25 mm ² | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Halogen | No | Hydrolysis and microbe resistant | Yes |
| Insulation | PP | Irradiation crosslinked | No |
| Length of torsion | 1 m | Number of poles | 3 |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Outside diameter | 4.1 mm ± 0.2 mm |
| Resistance to oils | in accordance with IEC 60811:404 | Resistance to spread of flame | in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2 |
| Resistant to welding beads | No | Sheath material | PUR |
| Sheathing colour | black | Shielded | No |
| Speed | 5 m/s | Suitable for cable carriers | Yes |
| Temperature range, moving | -25...80 °C | Temperature range, stationary | -40...80 °C |
| Torsion resistance | 360 °/m | Welding spark resistance | No |

General technical data

| | | | |
|------------------------|---|------------------------------|----------------|
| Coding | A-coded | Connection thread | M8 |
| Contact surface | Gold-plated | Housing main material | PUR |
| Insulation strength | 10 ⁸ Ω | LED | Yes |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Protection degree | IP65, IP66, IP67, IP68, when screwed in | Rated current | 4 A |
| Rated voltage | 24 V | Temperature range of housing | -25...+85 °C |
| Threaded ring material | POM | Version | Socket, angled |
| jumpered | No | | |

Electrical properties

| | | | |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 ⁸ Ω | Rated voltage | 24 V |
|---------------------|-------------------|---------------|------|

General standards

| | | | |
|----------------------|---------|--------------------|-----------------|
| Certificate No. (UL) | E307231 | Connector standard | IEC 61076-2-104 |
|----------------------|---------|--------------------|-----------------|

Standards

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

Plug, left

| | |
|-----------|--|
| Plug left | M8, IP69, female contact, angled 90°, Plastic, LED, unshielded |
|-----------|--|

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Technical data**Plug, right**

Plug right free conductor end, LED

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 |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1
 SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



UL File Number Search UL Website
 Certificate No. (UL) E307231

Downloads

Engineering Data [CAD data – STEP](#)
 Product Change Notification [Technical change to M12 plastic nuts - EN](#)
[Technical change to M12 plastic nuts - DE](#)
 Catalogues [Catalogues in PDF-format](#)
 Brochures [FL FIELDWIRING EN](#)

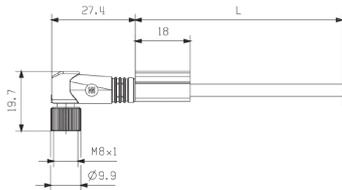
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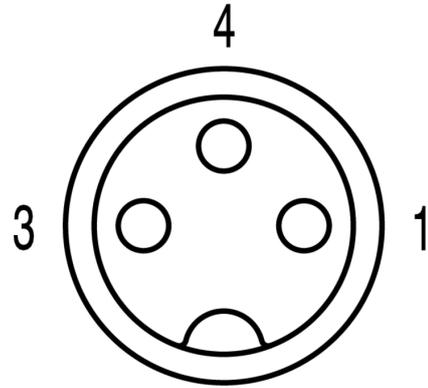
Drawings

Dimensioned drawing



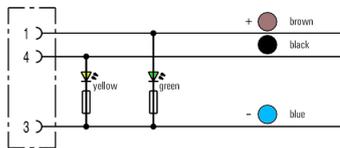
Angled socket

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