

SAIP-M8BW-4-10V

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 : 4, 10 m, Socket, angled, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No. | 1465911000 |
| Type | SAIP-M8BW-4-10V |
| GTIN (EAN) | 4050118274172 |
| 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 | 338 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 |
| Suitable for cable carriers | No | Core cross-section | 0.25 mm ² |
| Shielded | No | Halogen | Yes |
| Insulation | PVC | Sheath material | PVC |
| Configurable cable length | No | Outer cladding in accordance with UL AWM style | 2464 (80 °C / 300 V) |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | brown, white, blue, black | Torsion resistance | 0 °/m |
| Temperature range, stationary | -30...80 °C | Resistant to welding beads | No |
| Temperature range, moving | -5...80 °C | Number of poles | 4 |
| Outside diameter | 4.8 mm ± 0.2 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 | 30 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 |

Electrical properties

| | | | |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
|-----------------------|-------|-----------------|------|

General standards

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

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Technical data**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

