

## SAIP-M8BW-4-1.5V

**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.

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, 1.5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1465910150</a>   |
| Type       | SAIP-M8BW-4-1.5V   |
| GTIN (EAN) | 4050118274448  |
| 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 56 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                  | 1.5 m                     | Sheathing colour                               | black                |
| Suitable for cable carriers   | No                        | Core cross-section                             | 0.25 mm <sup>2</sup> |
| 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,<br>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

