

## SAIL-M8BW-4S3.0U

**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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.

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, 3 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1906630300</a>   |
| Type       | SAIL-M8BW-4S3.0U   |
| GTIN (EAN) | 4032248530434  |
| 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 130 g

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## Technical specifications for cable

|                               |                              |  |                                |
|-------------------------------|------------------------------|--|--------------------------------|
| Cable length                  | 3 m                          | Sheathing colour                               | black                          |
| Suitable for cable carriers   | Yes                          | Core cross-section                             | 0.34 mm <sup>2</sup>           |
| Shielded                      | Yes                          | Halogen  | No                             |
| Insulation                    | PP                           | Acceleration                                   | 5 m/s <sup>2</sup>             |
| Bending radius, min., moving  | 12 x conductor cross-section | Bending radius, min., stationary               | 5 x cable diameter             |
| Bending cycles                | 2 Mio                        | Resistance to spread of flame                  | in accordance with IEC 60332-2 |
| Speed                         | 100 m/s                      | Sheath material                                | PUR                            |
| Configurable cable length     | No                           | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)          |
| Irradiation crosslinked       | No                           | Welding spark resistance                       | No                             |
| Colour coding                 | brown, black, blue, white    | Torsion resistance                             | 0 °/m                          |
| Temperature range, stationary | -40...80 °C                  | Resistant to welding beads                     | No                             |
| Temperature range, moving     | -25...80 °C                  | Number of poles                                | 4                              |
| Outside diameter              | 5.1 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                                     | AF size                      | 9 mm         |
| Protection degree      | IP65, IP66, IP67, IP68, when screwed in | Plugging cycles              | ≥ 100        |
| Pollution severity     | 3                                       | jumpered                     | No           |
| Threaded ring material | Diecast zinc                            | Temperature range of housing | -25...+85 °C |
| Tightening torque      | M8: 0.6 Nm                              |                              |              |

## Electrical properties

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

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**Technical data**

**General standards**

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

**Standards**

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

**Plug, left**

|           |   |
|-----------|---|
| Plug left | M8, IP67, female contact, angled 90°, Plastic, shielded |
|-----------|---|

**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 |             |             |

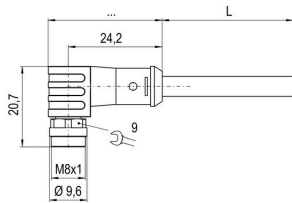
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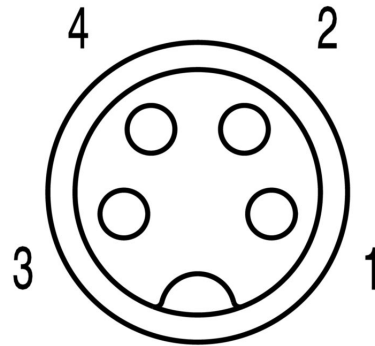
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**Drawings**

**Dimensioned drawing**

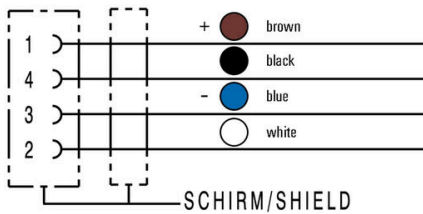


**Pole scheme**



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

