

## SAIL-M12BW-3S3.0U

**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, M12, Number of poles : 3, 3 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1906950300</a>  |
| Type       | SAIL-M12BW-3S3.0U   |
| GTIN (EAN) | 4032248530472   |
| Qty.       | 1 pc(s).  |

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**Technical data****Dimensions and weights**

Net weight 124 g

**Temperatures**

Operating temperature, min. -25 °C Operating temperature, max. 80 °C

**Technical specifications for cable**

|                                      |  |  |                                  |
|--------------------------------------|--|--|----------------------------------|
| Acceleration                         | 5 m/s <sup>2</sup>   | Bending cycles                                 | 2 Mio                            |
| Bending radius, min., moving         | 10 x cable diameter  | Bending radius, min., stationary               | 5 x cable diameter               |
| Cable length                         | 3 m  | Colour coding                                  | brown, blue, black               |
| Configurable cable length            | No   | Core cross-section                             | 0.34 mm <sup>2</sup>             |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V)  | Halogen  | No                               |
| Hydrolysis and microbe resistant     | Yes  | Insulation                                     | PP                               |
| Irradiation crosslinked              | No   | LABS-free                                      | Yes                              |
| Number of poles                      | 3  | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)            |
| Outside diameter                     | 5 mm ± 0.2 mm  | Resistance to oils                             | in accordance with IEC 60811:404 |
| Resistance to spread of flame        | In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 | Resistant to welding beads                     | No                               |
| Sheath material                      | PUR  | Sheathing colour                               | black                            |
| Shielded                             | Yes  | Speed  | 200 m/min                        |
| Suitable for cable carriers          | Yes  | Temperature range, moving                      | -25...80 °C                      |
| Temperature range, stationary        | -40...80 °C  | Torsion resistance                             | 0 °/m                            |
| Welding spark resistance             | No   |  |                                  |

**General technical data**

|                        |   |                              |                   |
|------------------------|---|------------------------------|-------------------|
| Coding                 | A                                       | Connection thread            | M12               |
| Contact surface        | Gold-plated                             | Housing main material        | PUR               |
| Insulation strength    | 10 <sup>8</sup> Ω                       | LED                          | No                |
| Plugging cycles        | ≥ 100                                   | Pollution severity           | 3                 |
| Protection degree      | IP65, IP66, IP67, IP68, when screwed in | Rated current                | 4 A               |
| Rated voltage          | 250 V                                   | Temperature range of housing | -40 ... +85 °C    |
| Threaded ring material | Diecast zinc                            | Tightening torque            | M12: 0.8 - 1.2 Nm |
| Version                | Socket, angled                          | jumpered                     | No                |

**Electrical properties**Insulation strength 10<sup>8</sup> Ω Rated voltage 250 V**General standards**

Certificate no. (cULus) E307231 Connector standard IEC 61076-2-101

**Standards**

Connector standard IEC 61076-2-101

**Data sheet**

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**Technical data**

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | 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 |

**Environmental Product Compliance**

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

**Approvals**

Approvals



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

**Downloads**

|                  |  |
|------------------|--|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Engineering Data | <a href="#">WSCAD</a>                    |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

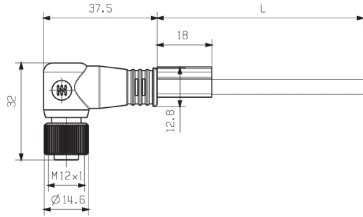
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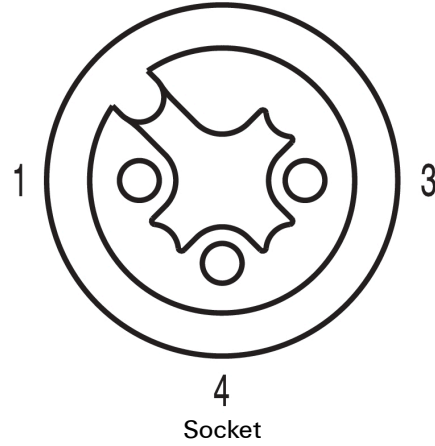
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**Drawings**

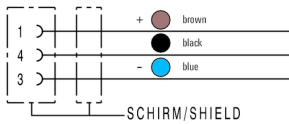
**Dimensioned drawing**



**Pole scheme**



**Wiring diagram**



**The ideal tool: Screwty<sup>®</sup> 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