

## SAIL-M8BG-3S1.5U

**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 : 3, 1.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1906600150</a>  |
| Type       | SAIL-M8BG-3S1.5U  |
| GTIN (EAN) | 4032248530304   |
| Qty.       | 1 pc(s).  |

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## Technical data

### Dimensions and weights

Net weight 60 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         | 12 x conductor cross-section | Bending radius, min., stationary               | 5 x cable diameter    |
| Cable length                         | 1.5 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                    |
| Insulation                           | PP                           | Irradiation crosslinked                        | No                    |
| Number of poles                      | 3                            | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Outside diameter                     | 4.8 mm ± 0.2 mm              | Resistant to welding beads                     | No                    |
| Sheath material                      | PUR                          | Sheathing colour                               | black                 |
| Shielded                             | Yes                          | Speed  | 100 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            | M8               |
| 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          | 60 V                                    | Temperature range of housing | -40 ... +85 °C   |
| Threaded ring material | Diecast zinc                            | Tightening torque            | M8: 0.5 - 0.6 Nm |
| Version                | Female socket, straight                 | jumpered                     | No               |

### Electrical properties

Insulation strength 10<sup>8</sup> Ω Rated voltage 60 V

### General standards

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

### Standards

Connector standard IEC 61076-2-104

### 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 |

Creation date March 16, 2023 6:17:35 PM CET

**Data sheet****SAIL-M8BG-3S1.5U**

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**Technical data****Environmental Product Compliance**

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

**Approvals**

Approvals



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

**Downloads**

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

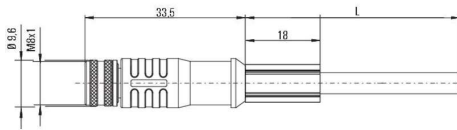
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**Drawings**

**Dimensioned drawing**



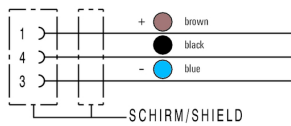
Straight socket

**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