

**SAIL-M12BW-8S3.0U****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 : 8, 3 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1275470300</a>                                                                                                                                |
| Type       | SAIL-M12BW-8S3.0U                                                                                                                                         |
| GTIN (EAN) | 4050118066364                                                                                                                                             |
| Qty.       | 1 pc(s).                                                                                                                                                  |

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

|            |       |
|------------|-------|
| Net weight | 120 g |
|------------|-------|

**Environmental Product Compliance**

|            |                |      |                                  |
|------------|----------------|------|----------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | bd63baef-8092-4596-90c7-5b4daa22 |
|------------|----------------|------|----------------------------------|

**Technical specifications for cable**

|                                                |                       |                                  |                                                    |
|------------------------------------------------|-----------------------|----------------------------------|----------------------------------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>    | Bending cycles                   | 1 mill.                                            |
| Bending radius, min., moving                   | 12 x cable diameter   | Bending radius, min., stationary | 5 x cable diameter                                 |
| Cable length                                   | 3 m                   | Colour coding                    | blue, red, white, brown, green, yellow, grey, pink |
| Configurable cable length                      | No                    | Core cross-section               | 0.25 mm <sup>2</sup>                               |
| Halogen                                        | No                    | Insulation                       | PP                                                 |
| Irradiation crosslinked                        | No                    | Number of poles                  | 8                                                  |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Outside diameter                 | 6.3 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                             | 360 °/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      | IP67, when screwed in, IP65, IP66 | Rated current                | 2 A               |
| Rated voltage          | 30 V                              | Temperature range of housing | -40 ... +85 °C    |
| Threaded ring material | Brass, nickel-plated              | Tightening torque            | M12: 0.8 - 1.2 Nm |
| Version                | Socket, angled                    | jumpered                     | No                |

**Electrical properties**

|                     |                   |               |      |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 30 V |
|---------------------|-------------------|---------------|------|

**General standards**

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

**Standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

**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 |

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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="#">EPLAN, WSCAD</a>             |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

## SAIL-M12BW-8S3.0U

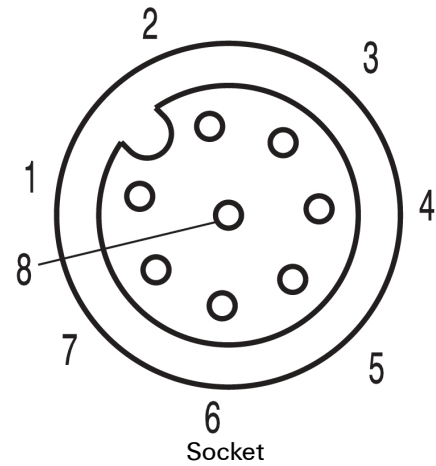
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# Drawings

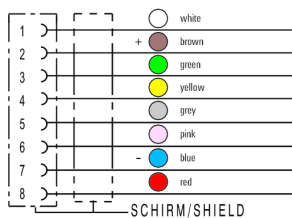
## Dimensioned drawing

## Pole scheme



## 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