

## SAIL-M12BW-12S2.0U

**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, M12, Number of poles : 12, 2 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1424280200</a>  |
| Type       | SAIL-M12BW-12S2.0U  |
| GTIN (EAN) | 4050118465471   |
| 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 115 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                                   | 2 m  | Sheathing colour                     | black                 |
| Resistance to oils                             | Yes  | Suitable for cable carriers          | Yes                   |
| Core cross-section                             | 0.14 mm <sup>2</sup>   | Shielded                             | Yes                   |
| Halogen  | No   | Insulation                           | PP                    |
| Acceleration                                   | 5 m/s <sup>2</sup>   | Bending radius, min., moving         | 12 x cable diameter   |
| Bending radius, min., stationary               | 5 x cable diameter   | Bending cycles                       | 1 mill.               |
| Speed  | 100 m/min  | Sheath material                      | PUR                   |
| Configurable cable length                      | No   | Hydrolysis and microbe resistant     | Yes                   |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)  | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Irradiation crosslinked                        | No   | Drain wire integrated                | No                    |
| Colour coding                                  | black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue | Torsion resistance                   | 0 °/m                 |
| Temperature range, stationary                  | -40...80 °C  | Temperature range, moving            | -30...80 °C           |
| Number of poles                                | 12   | Outside diameter                     | 6 mm ± 0.2 mm         |

## General technical data

|                        |                                   |                              |                |
|------------------------|-----------------------------------|------------------------------|----------------|
| Coding                 | A-coded                           | Connection thread            | M12            |
| Contact surface        | Gold-plated                       | LED                          | No             |
| Version                | Socket, angled                    | Housing main material        | TPU            |
| Insulation resistance  | 108 Ω                             | Nominal voltage              | 30 V           |
| Nominal current        | 1.5 A                             | AF size                      | 13 mm          |
| Protection degree      | IP67, when screwed in, IP65, IP66 | Plugging cycles              | ≥ 100          |
| Pollution severity     | 3                                 | jumpered                     | No             |
| Threaded ring material | Diecast zinc                      | Temperature range of housing | -40 ... +85 °C |
| Tightening torque      | M12: 1.0 Nm                       |                              |                |

## Electrical properties

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

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**Technical data****General standards**

Certificate no. (cULus) E307231

**Plug, left**

Plug left M12, A-coded, 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 |             |             |

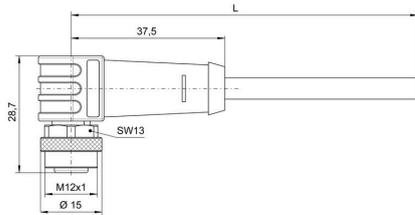
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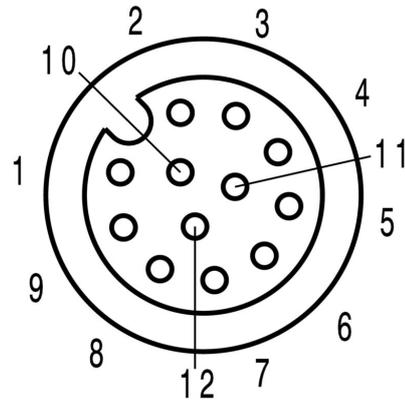
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**Drawings**

**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

