

**SAIL-M12BW-4S3.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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**

| Type       | SAIL-M12BW-4S3.0U                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">1808970300</a>                                                                                                                                |
| Version    | Sensor/actuator line, One end without connector, M12, Number of poles : 4, 3 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248530045                                                                                                                                             |
| Qty.       | 1 pc(s).                                                                                                                                                  |

**SAIL-M12BW-4S3.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

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

|            |       |
|------------|-------|
| Net weight | 141 g |
|------------|-------|

**Temperatures**

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

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Technical specifications for cable**

|                                      |                           |                                                |                                  |
|--------------------------------------|---------------------------|------------------------------------------------|----------------------------------|
| Number of poles                      | 4                         | Core cross-section                             | 0.34 mm <sup>2</sup>             |
| Outside diameter                     | 5.4 mm ± 0.2 mm           | Cable length                                   | 3 m                              |
| Shielded                             | Yes                       | Insulation                                     | PP                               |
| Colour coding                        | black, brown, white, blue | Sheath material                                | PUR                              |
| Sheathing colour                     | black                     | Halogen                                        | No                               |
| Temperature range, moving            | -25...80 °C               | Temperature range, stationary                  | -40...80 °C                      |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V)     | Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V)            |
| Suitable for cable carriers          | Yes                       | Torsion resistance                             | 0 °/m                            |
| Bending radius, min., stationary     | 5 x cable diameter        | Bending radius, min., moving                   | 10 x cable diameter              |
| Acceleration                         | 5 m/s <sup>2</sup>        | Speed                                          | 200 m/min                        |
| Bending cycles                       | 2 Mio                     | Resistant to welding beads                     | No                               |
| Configurable cable length            | No                        | Hydrolysis and microbe resistant               | Yes                              |
| LABS-free                            | Yes                       | Resistance to oils                             | in accordance with IEC 60811:404 |
| Resistance to spread of flame        | According to UL2556 FT2   |                                                |                                  |

**General technical data**

|                       |                   |                              |                                         |
|-----------------------|-------------------|------------------------------|-----------------------------------------|
| Version               | Socket, angled    | Connection thread            | M12                                     |
| Housing main material | PUR               | Threaded ring material       | Diecast zinc                            |
| Coding                | A                 | Protection degree            | IP65, IP66, IP67, IP68, when screwed in |
| Contact surface       | Gold-plated       | LED                          | No                                      |
| Rated voltage         | 250 V             | Rated current                | 4 A                                     |
| Insulation strength   | 10 <sup>8</sup> Ω | Temperature range of housing | -25...+80 °C                            |
| Tightening torque     | M12: 0.8 - 1.2 Nm | Plugging cycles              | ≥ 100                                   |
| Pollution severity    | 3                 | jumpered                     | No                                      |

**Standards**

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

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0   | EC001855    |
| eClass 9.0  | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |
| eClass 10.0 | 27-06-03-11 | UNSPSC     | 26-12-16-13 |

## SAIL-M12BW-4S3.0U

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Brochure/Catalogue [FL FIELDWIRING EN](#)

Engineering Data [EPLAN, WSCAD](#)

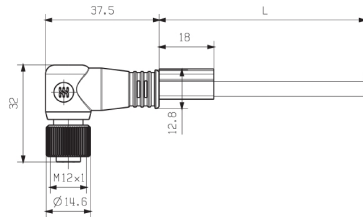
Engineering Data [STEP](#)

## SAIL-M12BW-4S3.0U

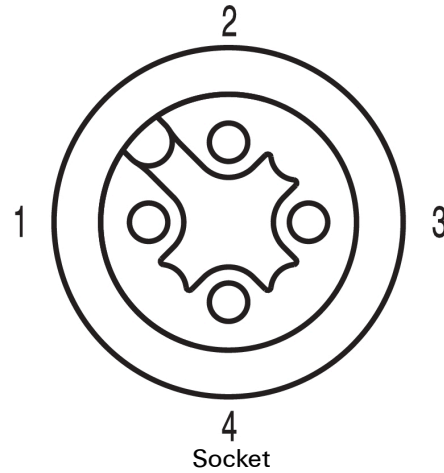
**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

# Drawings

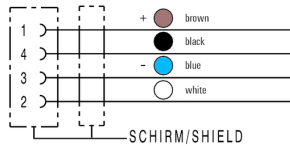
## Dimensioned drawing



## 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