

**SAIL-ZW-M12BW-3L3.0V****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.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

|            |                                                                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 3 m, Twin cabling, Shielded: No, LED: Yes, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1466210300</a>                                                                                                                           |
| Type       | SAIL-ZW-M12BW-3L3.0V                                                                                                                                 |
| GTIN (EAN) | 4050118275469                                                                                                                                        |
| 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 223.52 g

**Environmental Product Compliance**

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c, 7cl

REACH SVHC Lead 7439-92-1

SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

**Technical specifications for cable**

|                             |       |                                                |                      |
|-----------------------------|-------|------------------------------------------------|----------------------|
| Cable length                | 3 m   | Sheathing colour                               | black                |
| Suitable for cable carriers | No    | Core cross-section                             | 0.34 mm <sup>2</sup> |
| Shielded                    | No    | Halogen                                        | Yes                  |
| Insulation                  | PVC   | Sheath material                                | PVC                  |
| Cable length configurable   | No    | Outer cladding in accordance with UL AWM style | 2464 (80 °C / 300 V) |
| Welding spark resistance    | No    | Colour coding                                  | brown, blue, black   |
| Torsion resistance          | 0 °/m | Temperature range, stationary                  | -30...80 °C          |
| Resistant to welding beads  | No    | Temperature range, moving                      | -5...80 °C           |
| Number of poles             | 3     | Outside diameter                               | 4.9 mm ± 0.2 mm      |

**General technical data**

|                        |                                         |                              |              |
|------------------------|-----------------------------------------|------------------------------|--------------|
| Coding                 | A-coded                                 | Connection thread            | M12 / M12    |
| Contact surface        | Gold-plated                             | LED                          | Yes          |
| Version                | Twin cabling                            | Housing main material        | PUR          |
| Insulation resistance  | 108 Ω                                   | Nominal voltage              | 24 V         |
| Nominal current        | 4 A                                     | AF size                      | 12 mm        |
| Protection degree      | IP67, IP68, when screwed in, IP65, IP66 | Plugging cycles              | ≥ 100        |
| Pollution severity     | 3                                       | jumpered                     | No           |
| Threaded ring material | Diecast zinc                            | Temperature range of housing | -25...+85 °C |
| Tightening torque      | M12: 0.8 - 1.2 Nm                       |                              |              |

**Electrical properties**

|                       |       |                 |      |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 24 V |
|-----------------------|-------|-----------------|------|

**General standards**

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

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

**Plug, left**

|           |                                                                 |
|-----------|-----------------------------------------------------------------|
| Plug left | M12, A-coded, IP68, male contact, straight, Plastic, unshielded |
|-----------|-----------------------------------------------------------------|

**Plug, right**

|            |                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Plug right | M12, A-coded, IP68, female contact, angled 90°, Plastic, unshielded, M12, A-coded, IP68, female contact, angled 90°, Plastic, unshielded |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|

**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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## Drawings

### Dimensioned drawing



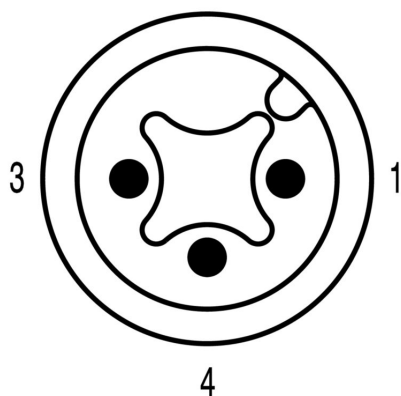
Twin male connector, straight

### Dimensioned drawing



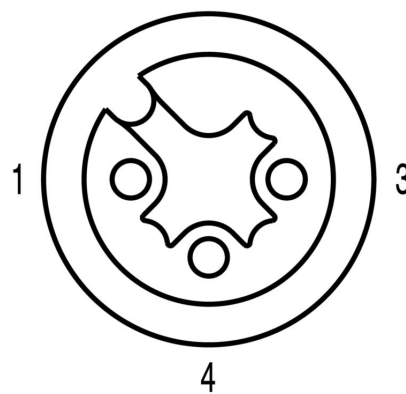
Angled socket

### Pole scheme



Twin male connector

### Pole scheme



Socket

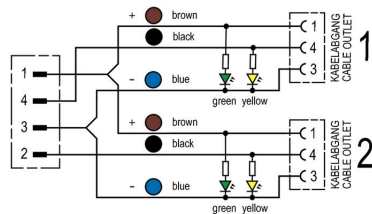
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# Drawings

## 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