

## SAIL-M12W-5S10U

**Weidmüller Interface GmbH & Co. KG**

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D-32758 Detmold

Germany

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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-M12W-5S10U  |
| Order No.  | <a href="#">1906521000</a>   |
| Version    | Sensor/actuator line, One end without connector, M12, Number of poles : 5, 10 m, pin, 90&deg;, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248529988  |
| Qty.       | 1 pc(s).   |

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

Net weight 435 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                      | 5                               | Core cross-section                             | 0.34 mm <sup>2</sup>             |
| Outside diameter                     | 5.7 mm ± 0.2 mm                 | Cable length                                   | 10 m                             |
| Shielded                             | Yes                             | Insulation                                     | PP                               |
| Colour coding                        | blue, white, brown, grey, black | 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               | pin, 90&deg;      | 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         | 125 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                 | Plugging cycles 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 |

**Data sheet****SAIL-M12W-5S10U**

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

|                    |                                   |
|--------------------|-----------------------------------|
| Brochure/Catalogue | <a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN_WSCAD</a>       |
| Engineering Data   | <a href="#">STEP</a>              |

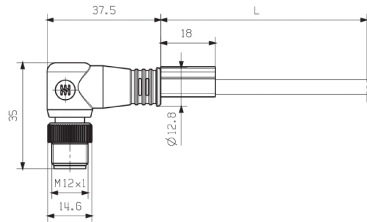
**Data sheet**

**SAIL-M12W-5S10U**

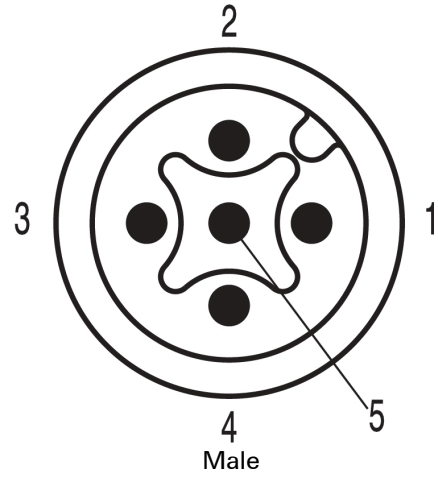
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**Drawings**

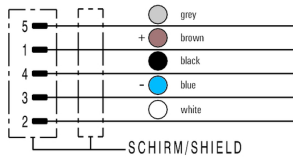
**Dimensioned drawing**



**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