

**SAIL-M12G-12S5.0U**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 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, 5 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1484820500</a>   |
| Type       | SAIL-M12G-12S5.0U  |
| GTIN (EAN) | 4050118294118  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

## Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E307231                    |

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 263 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                                   | 5 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   | 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  | 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 | 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                | pin, straight | Insulation resistance        | 108 Ω          |
| Nominal voltage        | 30 V          | Nominal current              | 1.5 A          |
| AF size                | 13 mm         | Protection degree            | IP65, IP66     |
| Plugging cycles        | ≥ 100         | 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 connector, M12, A-coded,  
Number of poles: 12, male  
contact, straight, shielded

**Plug, right**

Plug right free conductor end

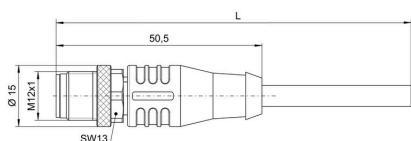
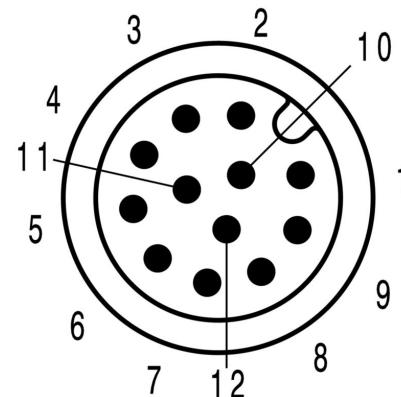
**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |             |             |

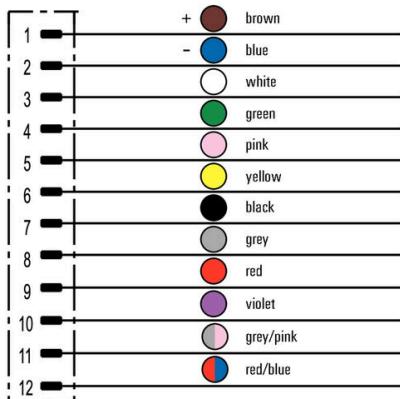
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**Drawings****Dimensioned drawing****Pole scheme**

Male

**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

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**Drawings**