

**SAIL-M12G-5S0.4U****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, One end without connector, M12, Number of poles : 5, 0.4 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1926690040</a>                                                                                                                                 |
| Type       | SAIL-M12G-5S0.4U                                                                                                                                           |
| GTIN (EAN) | 4050118494198                                                                                                                                              |
| 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 30.8 g

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

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

## Technical specifications for cable

|                                      |                                  |                                                |                                                                          |
|--------------------------------------|----------------------------------|------------------------------------------------|--------------------------------------------------------------------------|
| Cable length                         | 0.4 m                            | Sheathing colour                               | black                                                                    |
| Resistance to oils                   | in accordance with IEC 60811:404 | Suitable for cable carriers                    | Yes                                                                      |
| Core cross-section                   | 0.34 mm <sup>2</sup>             | Number of wires                                | 5                                                                        |
| Shielded                             | Yes                              | Halogen                                        | No                                                                       |
| Insulation                           | PP                               | Acceleration                                   | 5 m/s <sup>2</sup>                                                       |
| Bending radius, min., moving         | 10 x cable diameter              | Bending radius, min., stationary               | 5 x cable diameter                                                       |
| Bending cycles                       | 2 Mio                            | Resistance to spread of flame                  | In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 |
| Speed                                | 200 m/min                        | Sheath material                                | PUR                                                                      |
| Cable length configurable            | No                               | LABS-free                                      | Yes                                                                      |
| 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)            | Type is hybrid cable                           | No                                                                       |
| Irradiation crosslinked              | No                               | Welding spark resistance                       | No                                                                       |
| Colour coding                        | brown, white, blue, black, grey  | Torsion resistance                             | 0 °/m                                                                    |
| Temperature range, stationary        | -50...80 °C                      | Resistant to welding beads                     | No                                                                       |
| Temperature range, moving            | -25...80 °C                      | Number of poles                                | 5                                                                        |
| Outside diameter                     | 5.7 mm ± 0.2 mm                  |                                                |                                                                          |

## General technical data

|                              |                                         |                        |                      |
|------------------------------|-----------------------------------------|------------------------|----------------------|
| Coding                       | A-coded                                 | Connection thread      | M12                  |
| Contact surface              | Gold-plated                             | LED                    | No                   |
| Version                      | pin, straight                           | Housing main material  | PUR                  |
| Insulation resistance        | 108 Ω                                   | Contact material       | Copper alloy         |
| Nominal voltage              | 60 V                                    | Nominal current        | 4 A                  |
| Protection degree            | IP65, IP66, IP67, IP68, when screwed in | Plugging cycles        | ≥ 100                |
| Pollution severity           | 3                                       | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -25...+85 °C                            | Tightening torque      | M12: 0.8 - 1.2 Nm    |

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**Technical data****Electrical properties**

|                       |       |                 |      |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 60 V |
|-----------------------|-------|-----------------|------|

**General standards**

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

**Standards**

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

**Plug, left**

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Plug left | M12, A-coded, Number of poles: 5, male contact, straight, plug, shielded |
|-----------|--------------------------------------------------------------------------|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | Free conductor end |
|------------|--------------------|

**Classifications**

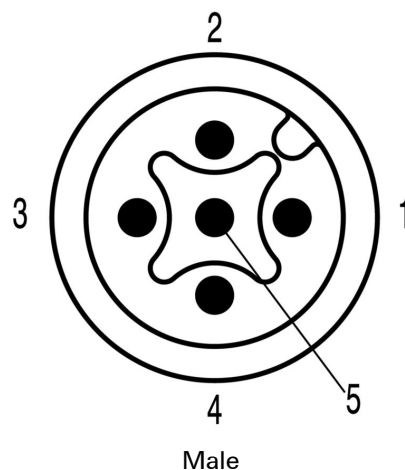
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

## Drawings

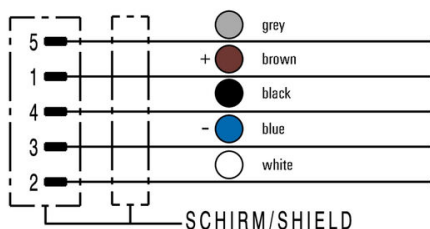
### Dimensioned drawing



### Pole scheme



### 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

