

## 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                                                                                                                                                    |

## SAIL-M12G-5S0.4U

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| 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>                                                     | 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/s               |
| Sheath material                                | PUR                                                                      | Configurable cable length            | 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) |
| Irradiation crosslinked                        | No                                                                       | Welding spark resistance             | No                    |
| Colour coding                                  | blue, white, brown, grey, black                                          | Torsion resistance                   | 0 °/m                 |
| Temperature range, stationary                  | -40...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         | Nominal voltage        | 60 V                                    |
| Nominal current              | 4 A           | Protection degree      | IP65, IP66, IP67, IP68, when screwed in |
| 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                       |

**SAIL-M12G-5S0.4U**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Electrical properties**

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

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Plug, left**

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Plug left | M12, A-coded, IP69, male contact, straight, Plastic, 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 |             |             |

**SAIL-M12G-5S0.4U**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**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

