

**SAIL-M8GM8GR-3-5.0V****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, M8 / M8, Number of poles : 3, 5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1948650500</a>                                                                                                                                            |
| Type       | SAIL-M8GM8GR-3-5.0V                                                                                                                                                   |
| GTIN (EAN) | 4032248625734                                                                                                                                                         |
| Qty.       | 1 pc(s).                                                                                                                                                              |

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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

|            |       |
|------------|-------|
| Net weight | 151 g |
|------------|-------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Technical specifications for cable**

|                                                |                      |        |
|------------------------------------------------|----------------------|--------|
| Cable length                                   | 5 m                  |        |
| Colour coding                                  | brown, blue, black   |        |
| Configurable cable length                      | No                   |        |
| Core cross-section                             | 0.25 mm²             |        |
| Halogen                                        | Yes                  |        |
| Housing main material                          | PUR                  |        |
| Insulation                                     | PVC                  |        |
| Number of poles                                | 3                    |        |
| Number of poles                                | 3                    |        |
| Outer cladding in accordance with UL AWM style | 2464 (80 °C / 300 V) |        |
| Outer diameter                                 | 4.5 ± 0.2 mm         |        |
| Outside diameter                               | Diameter             | 4.5 mm |
|                                                | Signs                | ±      |
|                                                | Tolerance            | 0.2 mm |
| Outside diameter                               | 4.5 mm ± 0.2 mm      |        |
| Resistant to welding beads                     | No                   |        |
| Sheath material                                | PVC                  |        |
| Sheathing colour                               | black                |        |
| Shielded                                       | No                   |        |
| Suitable for cable carriers                    | No                   |        |
| Temperature range, moving                      | -5...80 °C           |        |
| Temperature range, moving, max.                | 80 °C                |        |
| Temperature range, moving, min.                | -5 °C                |        |
| Temperature range, stationary                  | -30...80 °C          |        |
| Temperature range, stationary, max.            | 80 °C                |        |
| Temperature range, stationary, min.            | -30 °C               |        |
| Torsion resistance                             | 0 °/m                |        |

**General technical data**

|                        |                                  |                              |                  |
|------------------------|----------------------------------|------------------------------|------------------|
| Coding                 | none                             | Connection thread            | M8 / M8          |
| Contact surface        | Gold-plated                      | Housing main material        | PUR              |
| Insulation strength    | 10 <sup>8</sup> Ω                | LED                          | No               |
| Plugging cycles        | ≥ 100                            | Pollution severity           | 3                |
| Protection degree      | IP65, when screwed in            | Rated current                | 4 A              |
| Rated voltage          | 60 V                             | Temperature range of housing | -25...+80 °C     |
| Threaded ring material | Brass, nickel-plated             | Tightening torque            | M8: 0.5 - 0.6 Nm |
| Version                | pin, straight - socket, straight | jumpered                     | No               |

**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 | ECLASS 11.0 | 27-06-03-11 |

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## Technical data

### Approvals

Approvals



ROHS

Conform

UL File Number Search

E307231

### Downloads

Engineering Data

[EPLAN, WSCAD](#)

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## Drawings

### Dimensioned drawing



Male, straight

### Pole scheme

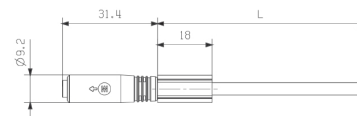


Male

### Wiring diagram



### Dimensioned drawing



Straight socket

### Pole scheme



Socket

### 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