

**SAIL-M12GM12G-L-10PGR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

**General ordering data**

|            |   |
|------------|---|
| Version    | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 5, 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2455261000</a>  |
| Type       | SAIL-M12GM12G-L-10PGR   |
| GTIN (EAN) | 4050118470314   |
| Qty.       | 1 pc(s).  |

Creation date April 25, 2025 11:45:17 AM CEST

Catalogue status 12.04.2025 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight 500 g

### Technical specifications for cable

|  |                       |                                  |                                 |
|--|-----------------------|----------------------------------|---------------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>    | Bending cycles                   | 10 Mio                          |
| Bending radius, min., moving                   | 7.5 x cable diameter  | Bending radius, min., stationary | 4 x cable diameter              |
| Cable length                                   | 10 m                  | Colour coding                    | brown, white, blue, black, pink |
| Configurable cable length                      | No                    | Core cross-section               | 1.5 mm <sup>2</sup>             |
| Halogen  | No                    | Insulation                       | PP                              |
| Irradiation crosslinked                        | No                    | Number of poles                  | 5                               |
| Outer cladding in accordance with UL AWM style | 20939 (80 °C / 600 V) | Outside diameter                 | 8 mm ± 0.2 mm                   |
| Resistant to welding beads                     | No                    | Sheath material                  | PUR                             |
| Sheathing colour                               | grey                  | Shielded                         | No                              |
| Speed  | 5 m/s                 | Suitable for cable carriers      | Yes                             |
| Temperature range, moving                      | -30...80 °C           | Temperature range, stationary    | -40...80 °C                     |
| Welding spark resistance                       | No                    |                                  |                                 |

### General technical data

|                     |                             |                              |                                  |
|---------------------|-----------------------------|------------------------------|----------------------------------|
| Coding              | L-coded                     | Connection thread            | M12 / M12                        |
| 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, IP67, when screwed in | Rated current                | 16 A                             |
| Rated voltage       | 50 V                        | Temperature range of housing | -40 ... +85 °C                   |
| Tightening torque   | M12: 0.8 - 1.2 Nm           | Version                      | pin, straight - socket, straight |
| jumpered            | No                          |                              |                                  |

### Electrical properties

Insulation strength 10<sup>8</sup> Ω      Rated voltage 50 V

### General standards

Certificate no. (cULus) E257571      Connector standard IEC 61076-2-111

### Standards

Connector standard IEC 61076-2-111

### Plug, left

Plug left M12, L-coded, IP67, male contact, straight, Plastic, unshielded

### Plug, right

Plug right M12, L-coded, IP67, female contact, straight, Plastic, unshielded

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | 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 |
| ECLASS 12.0 | 27-06-03-11 | ECLASS 13.0 | 27-06-03-11 |
| ECLASS 14.0 | 27-06-03-11 |             |             |

**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 |

**Approvals**

Approvals



|                         |   |
|-------------------------|---|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform   |
| UL File Number Search   | UL Website  |
| Certificate no. (cULus) | E257571   |

**Downloads**

|                             |  |
|-----------------------------|--|
| Engineering Data            | <a href="#">CAD data – STEP</a>  |
| Product Change Notification | <a href="#">PCN-PB46-20200713-00-A de</a><br><a href="#">PCN-PB46-20200713-00-A en</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a>  |

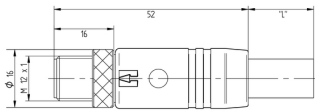
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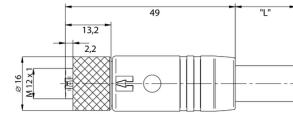
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Drawings

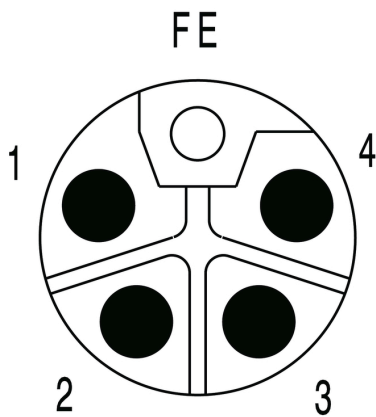
**Dimensioned drawing**



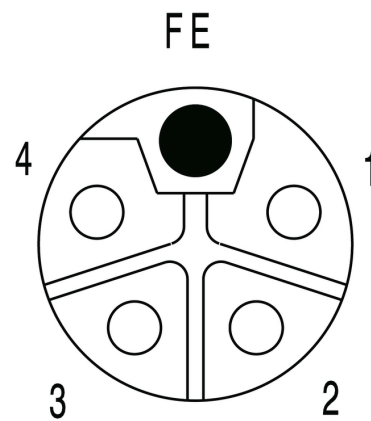
**Dimensioned drawing**



**Pole scheme**



**Pole scheme**



**Wiring diagram**

**The ideal tool: Screwty® with torque function**

