

**SAIL-M12GM12W-S3-10P****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 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    | Power cable, Connecting line, Number of poles :<br>3 (2 + PE), 10 m, pin, straight - socket, 90&deg;.,<br>Shielded: No, LED: No, Sheath material: PUR,<br>Halogen: No |
| Order No.  | <a href="#">2050101000</a>  |
| Type       | SAIL-M12GM12W-S3-10P  |
| GTIN (EAN) | 4050118441178   |
| Qty.       | 1 pc(s).  |

Creation date March 26, 2021 9:59:42 PM CET

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

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

Net weight 500 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**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                                  | blue, brown, Green/yellow |        |
| Configurable cable length                      | No                        |        |
| Core cross-section                             | 1.5 mm <sup>2</sup>       |        |
| Halogen  | No                        |        |
| Housing main material                          | PUR                       |        |
| Insulation                                     | PP                        |        |
| Number of poles                                | 3                         |        |
| Number of poles                                | 3 (2 + PE)                |        |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)    |        |
| Outside diameter                               | Diameter                  | 8.5 mm |
|  | Signs                     | ±      |
|  | Tolerance                 | 0.3 mm |
| Outside diameter                               | 8.5 mm ± 0.3 mm           |        |
| PE function                                    | Yes                       |        |
| Resistant to welding beads                     | No                        |        |
| Sheath material                                | PUR                       |        |
| Sheathing colour                               | black                     |        |
| Shielded                                       | No                        |        |
| Speed  | 5 m/s                     |        |
| Suitable for cable carriers                    | Yes                       |        |
| Temperature range, moving                      | -40...80 °C               |        |
| Temperature range, moving, max.                | 80 °C                     |        |
| Temperature range, moving, min.                | -40 °C                    |        |
| Temperature range, stationary                  | -50...80 °C               |        |
| Temperature range, stationary, max.            | 80 °C                     |        |
| Temperature range, stationary, min.            | -50 °C                    |        |

**General technical data**

|                              |              |                     |                             |
|------------------------------|--------------|---------------------|-----------------------------|
| Coding                       | S            | 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   | IP67, when screwed in       |
| Rated current                | 12 A         | Rated voltage       | 600 V                       |
| Temperature range of housing | -25...+80 °C | Version             | pin, straight - socket, 90° |

**Standards**

Connector standard IEC 61076-2-111

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**Technical data****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 |

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Data sheet**

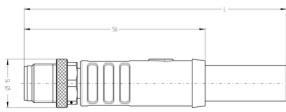
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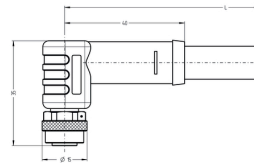
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**Drawings**

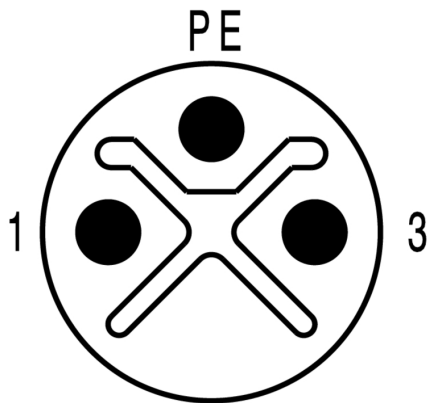
**Dimensioned drawing**



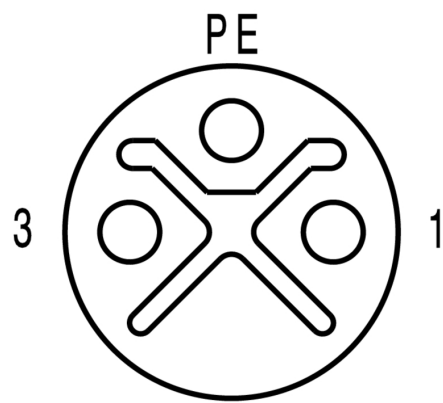
**Dimensioned drawing**



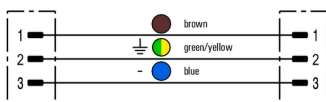
**Pole scheme**



**Pole scheme**



**Wiring diagram**



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

