

**SAIL-M12GM12W-T-5.0P****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    | Power cable, Connecting line, M12 / M12,<br>Number of poles : 4, 5 m, pin, straight - socket,<br>90&deg;, Shielded: No, LED: No, Sheath material:<br>PUR, Halogen: No |
| Order No.  | <a href="#">2050830500</a>  |
| Type       | SAIL-M12GM12W-T-5.0P  |
| GTIN (EAN) | 4050118442243   |
| Qty.       | 1 pc(s).  |

Creation date March 17, 2023 8:27:50 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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

Net weight 300 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                                   | 5 m                    | Colour coding                    | black, blue, white, brown |
| Configurable cable length                      | No                     | Core cross-section               | 1.5 mm <sup>2</sup>       |
| Halogen  | No                     | Insulation                       | PP                        |
| Irradiation crosslinked                        | No                     | Number of poles                  | 4                         |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Outside diameter                 | 9.6 mm ± 0.3 mm           |
| 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...90 °C            | Temperature range, stationary    | -50...90 °C               |
| Welding spark resistance                       | No                     |                                  |                           |

**General technical data**

|                              |                                 |                     |                       |
|------------------------------|---------------------------------|---------------------|-----------------------|
| AF size                      | 13 mm                           | Coding              | T                     |
| 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   | IP67, when screwed in |
| Rated current                | 12 A                            | Rated voltage       | 63 V                  |
| Temperature range of housing | -40 ... +85 °C                  | Tightening torque   | M12: 0.8 - 1.2 Nm     |
| Version                      | pin, straight - socket, 90&deg; |                     |                       |

**Electrical properties**Insulation strength 10<sup>8</sup> Ω      Rated voltage 63 V**General standards**

Certificate no. (cULus) E310075      Connector standard IEC 61076-2-111

**Standards**

Connector standard IEC 61076-2-111

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | 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 |

**Environmental Product Compliance**REACH SVHC Lead 7439-92-1  
SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

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**Technical data****Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E310075    |

**Downloads**

|            |  |
|------------|--|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
| Brochures  | <a href="#">FL FIELDWIRING EN</a>        |

**Data sheet**

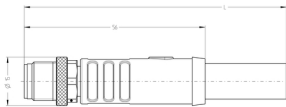
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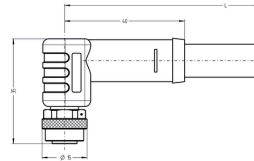
www.weidmueller.com

**Drawings**

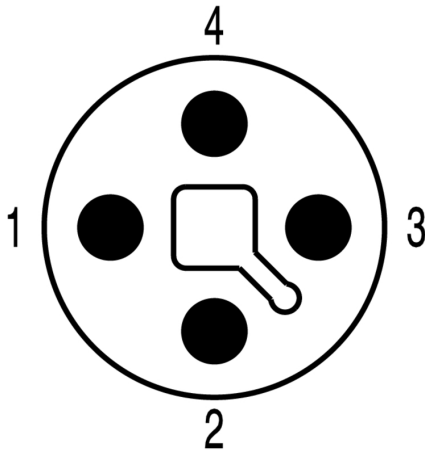
**Dimensioned drawing**



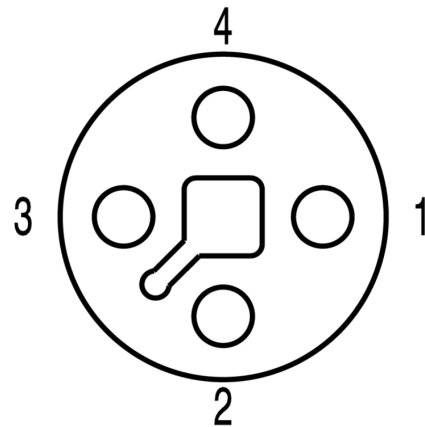
**Dimensioned drawing**



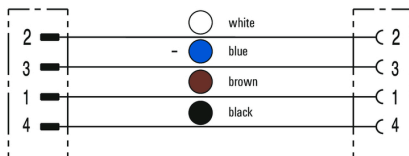
**Pole scheme**



**Pole scheme**



**Wiring diagram**



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

