

**SAIL-M12GM12W-T-1.5P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Number of poles : 4, 1.5 m, pin, straight - socket, 90&deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050830150</a>   |
| Type       | SAIL-M12GM12W-T-1.5P   |
| GTIN (EAN) | 4050118442267  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E310075                    |

## Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 100 g |
|------------|-------|

## 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 |

## Technical specifications for cable

|  |                        |                                  |                           |
|--|------------------------|----------------------------------|---------------------------|
| Cable length                                   | 1.5 m                  | Sheathing colour                 | black                     |
| Suitable for cable carriers                    | Yes                    | Core cross-section               | 1.5 mm <sup>2</sup>       |
| Shielded                                       | No                     | Halogen                          | No                        |
| Insulation                                     | PP                     | Acceleration                     | 5 m/s <sup>2</sup>        |
| Bending radius, min., moving                   | 7.5 x cable diameter   | Bending radius, min., stationary | 4 x cable diameter        |
| Bending cycles                                 | 10 Mio                 | Speed                            | 5 m/s                     |
| Sheath material                                | PUR                    | Configurable cable length        | No                        |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Irradiation crosslinked          | No                        |
| Welding spark resistance                       | No                     | Colour coding                    | black, blue, white, brown |
| Temperature range, stationary                  | -50...90 °C            | Resistant to welding beads       | No                        |
| Temperature range, moving                      | -40...90 °C            | Number of poles                  | 4                         |
| Outside diameter                               | 9.6 mm ± 0.3 mm        |                                  |                           |

## General technical data

|                       |                              |                              |                |
|-----------------------|------------------------------|------------------------------|----------------|
| Coding                | T-coded                      | Connection thread            | M12 / M12      |
| Contact surface       | Gold-plated                  | LED                          | No             |
| Version               | pin, straight - socket, 90°; | Housing main material        | PUR            |
| Insulation resistance | 108 Ω                        | Nominal voltage              | 63 V           |
| Nominal current       | 12 A                         | AF size                      | 13 mm          |
| Protection degree     | IP67, when screwed in        | Plugging cycles              | ≥ 100          |
| Pollution severity    | 3                            | Temperature range of housing | -40 ... +85 °C |
| Tightening torque     | M12: 1.0 Nm                  |                              |                |

## Electrical properties

|                       |       |                 |      |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 63 V |
|-----------------------|-------|-----------------|------|

## General standards

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

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**Technical data**

**Standards**

Connector standard IEC 61076-2-111

**Plug, left**

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

**Plug, right**

Plug right M12, T-coded, IP67, female contact, angled 90°, Plastic, unshielded

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

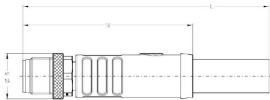
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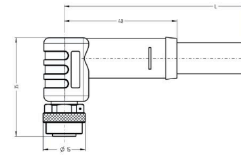
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**Drawings**

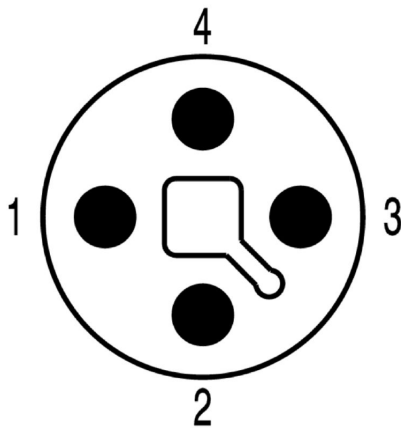
**Dimensioned drawing**



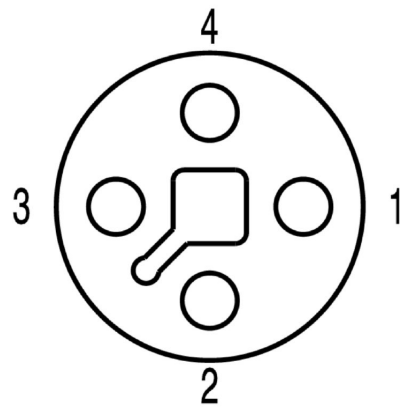
**Dimensioned drawing**



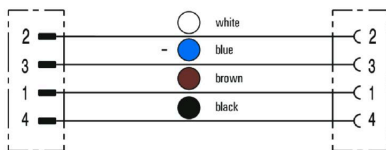
**Pole scheme**



**Pole scheme**



**Wiring diagram**



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

