

**SAIL-M12WM12G-T-3.0H****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, Number of poles : 4, 3 m, pin, angled - bush straight, Shielded: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050890300</a>  |
| Type       | SAIL-M12WM12G-T-3.0H  |
| GTIN (EAN) | 4050118442182   |
| 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 | 200 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                                   | 3 m                    | Sheathing colour                 | black                     |
| Suitable for cable carriers                    | Yes                    | Core cross-section               | 2.5 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                               | 11 mm ± 0.4 mm         |                                  |                           |

### General technical data

|                              |                |                       |                             |
|------------------------------|----------------|-----------------------|-----------------------------|
| Coding                       | T-coded        | Connection thread     | M12 / M12                   |
| Contact surface              | Gold-plated    | Version               | pin, angled - bush straight |
| 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, angled 90°,  
 Plastic, unshielded

**Plug, right**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

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**Drawings**

**Dimensioned drawing**



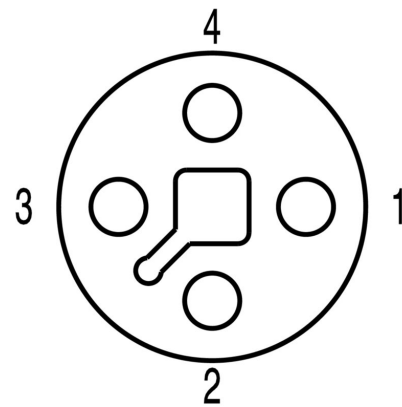
**Dimensioned drawing**



**Pole scheme**



**Pole scheme**



**Wiring diagram**



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

