

**SAIL-M12WM12W-T-10P****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 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, 10 m, pin, 90&deg; - socket<br>90&deg;; Shielded: No, Sheath material: PUR,<br>Halogen: No |
| Order No.  | <a href="#">2050861000</a>                                                                                                                                  |
| Type       | SAIL-M12WM12W-T-10P                                                                                                                                         |
| GTIN (EAN) | 4050118442038                                                                                                                                               |
| Qty.       | 1 pc(s).                                                                                                                                                    |

Creation date March 26, 2021 10:06:48 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/s²                    |        |
| 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                                  | black, blue, white, brown |        |
| Configurable cable length                      | No                        |        |
| Core cross-section                             | 1.5 mm²                   |        |
| Halogen                                        | No                        |        |
| Housing main material                          | PUR                       |        |
| Insulation                                     | PP                        |        |
| Number of poles                                | 4                         |        |
| Number of poles                                | 4                         |        |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)    |        |
| Outside diameter                               | Diameter                  | 9.6 mm |
|                                                | Signs                     | ±      |
|                                                | Tolerance                 | 0.3 mm |
| 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, moving, max.                | 90 °C                     |        |
| Temperature range, moving, min.                | -40 °C                    |        |
| Temperature range, stationary                  | -50...90 °C               |        |
| Temperature range, stationary, max.            | 90 °C                     |        |
| Temperature range, stationary, min.            | -50 °C                    |        |

**General technical data**

|                              |                   |                       |                               |
|------------------------------|-------------------|-----------------------|-------------------------------|
| Coding                       | T                 | Connection thread     | M12 / M12                     |
| Contact surface              | Gold-plated       | Housing main material | PUR                           |
| Insulation strength          | 10 <sup>8</sup> Ω | Plugging cycles       | ≥ 100                         |
| Pollution severity           | 3                 | Protection degree     | IP67, when screwed in         |
| Rated current                | 12 A              | Rated voltage         | 63 V                          |
| Temperature range of housing | -25...+80 °C      | Version               | pin, 90°deg; - socket 90°deg; |

**Standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-111 |
|--------------------|-----------------|

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |
|------|---------|

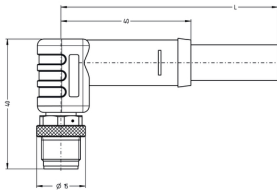
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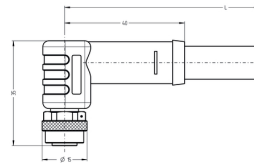
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

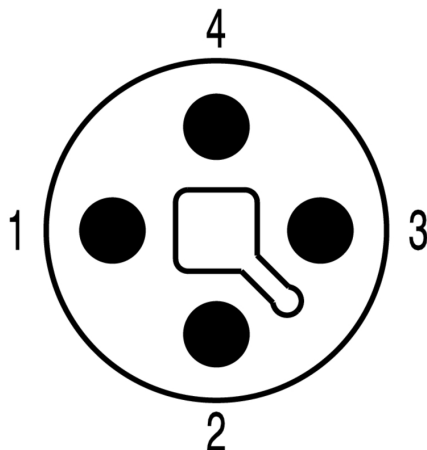
### Dimensioned drawing



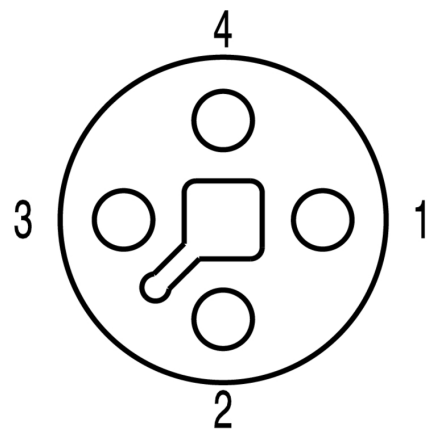
### Dimensioned drawing



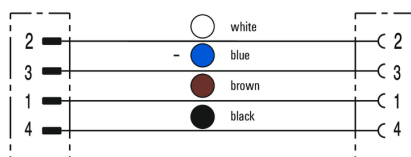
### Pole scheme



### Pole scheme



### Wiring diagram



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

