

**SAIL-M12BW-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, One end without connector, M12, Number of poles : 4, 5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050560500</a>  |
| Type       | SAIL-M12BW-T-5.0P   |
| GTIN (EAN) | 4050118441840   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E310075

## Dimensions and weights

Net weight 300 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                                   | 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            |
| Contact surface       | Gold-plated           | LED                          | No             |
| Version               | Socket, angled        | 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,<br>male contact, angled 90°,<br>Plastic, unshielded |
|-----------|---|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

**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**



**Pole scheme**



**Wiring diagram**



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

