

**SAIL-M12BW-T-3.0P****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, One end without connector, M12, Number of poles : 4, 3 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050560300</a>                                                                                                                      |
| Type       | SAIL-M12BW-T-3.0P                                                                                                                               |
| GTIN (EAN) | 4050118441598                                                                                                                                   |
| Qty.       | 1 pc(s).                                                                                                                                        |

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

|            |       |
|------------|-------|
| Net weight | 200 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                                   | 3 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-coded               |
| Connection thread            | 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                      | Socket, angled |                     |                       |

**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 |
|--------------------|-----------------|

**Plug, left**

|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| Plug left | M12, T-coded, IP67, male contact, angled 90°, Plastic, unshielded |
|-----------|-------------------------------------------------------------------|

**Plug, right**

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

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**Technical data****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 |             |             |

**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 |

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Certificate no. (cULus) | E310075                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

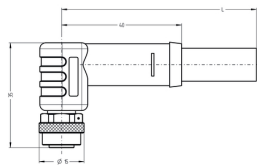
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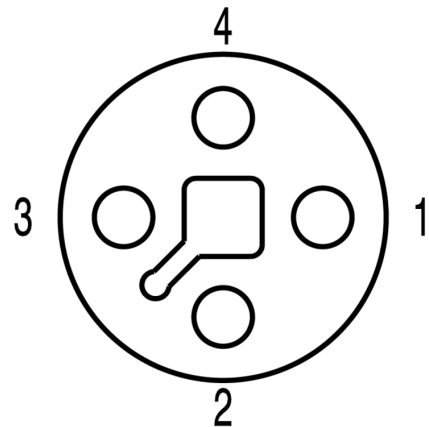
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# Drawings

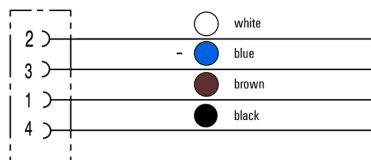
## Dimensioned drawing



## Pole scheme



## Wiring diagram



## The ideal tool: Screwty® with torque function

