# SAIL-M12BG-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, One end without connector, M12, Number of poles : 4, 3 m, Female socket, straight, Shielded: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050680300 |
| Type | SAIL-M12BG-T-3.0H |
| GTIN (EAN) | 4050118441796 |
| Qty. | 1 pc(s). |

Creation date December 4, 2023 8:58:28 AM CET

Weidmüller

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 200 g |

### 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 | 3 m | Colour coding | black, blue, white, brown |
| Configurable cable length | No | Core cross-section | 2.5 mm² |
| 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 | 11 mm ± 0.4 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 | $10^8$ 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 | -40 ... +85 ° C |
| Tightening torque | M12: 0.8 - 1.2 Nm | Version | Female socket, straight |

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation strength | $10^8$ 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

| | | |
|---|---|---|
| Plug | Cable side | left |
| | Version of contact face | M12 |
| | Coding of plug | T-coded |
| | Protection degree (IP) | IP67 |
| | Gender of contact | female contact |
| | Outlet direction | straight |
| | Housing main material | Plastic |
| | Shielding available | No |
| | Cable side | right |
| | Version of cable end [In-Block] | free conductor end |
| Plug left | M12, T-coded, IP67, female contact, straight, Plastic, unshielded | |
| Plug right | free conductor end | |

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### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| ETIM 8.0 | EC001855 | ETIM 9.0 | 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 | 27060311 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E310075 |

### Downloads

| | |
|---|---|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

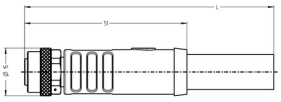
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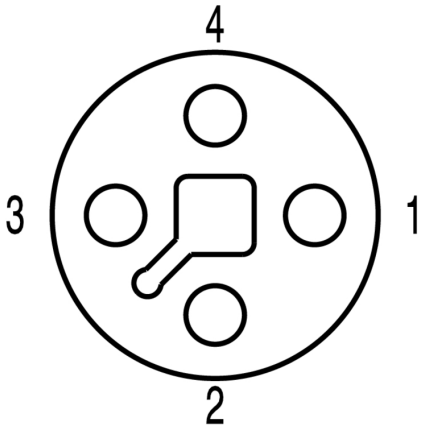
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## Drawings

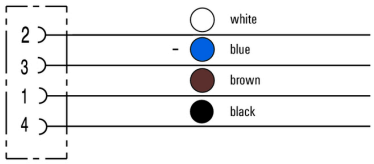
### Dimensioned drawing



### Pole scheme




### Wiring diagram




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

