

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

Creation date March 26, 2021 10:04:24 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

**SAIL-M12BG-T-3.0H****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|            |       |
|------------|-------|
| Net weight | 200 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                                   | 3 m                       |        |
| Colour coding                                  | black, blue, white, brown |        |
| Configurable cable length                      | No                        |        |
| Core cross-section                             | 2.5 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                  | 11 mm  |
|                                                | Signs                     | ±      |
|                                                | Tolerance                 | 0.4 mm |
| 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, 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                     |
| 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               | Female socket, straight |

**Standards**

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

**SAIL-M12BG-T-3.0H****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Classifications**

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

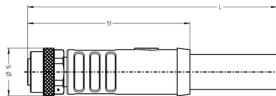
## SAIL-M12BG-T-3.0H

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

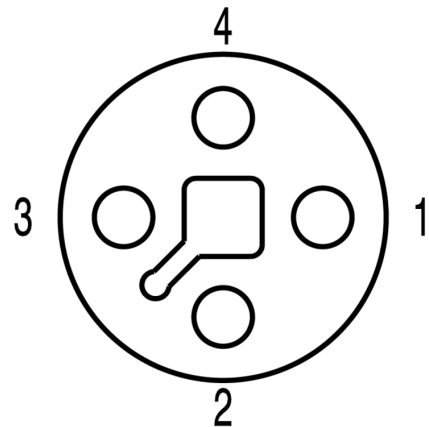
[www.weidmueller.com](http://www.weidmueller.com)

# Drawings

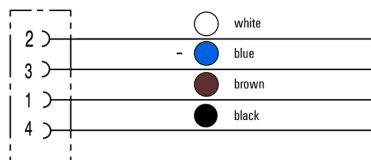
## Dimensioned drawing



## Pole scheme



## Wiring diagram



## The ideal tool: Screwty® with torque function

