

**SAIL-M12BG-PB-1.5D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

|            |   |
|------------|---|
| Version    | Bus line, One end without connector, M12, Number of poles: 2, 1.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1873320150</a>  |
| Type       | SAIL-M12BG-PB-1.5D  |
| GTIN (EAN) | 4032248497539   |
| Qty.       | 1 pc(s).  |

**SAIL-M12BG-PB-1.5D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

|            |       |
|------------|-------|
| Net weight | 132 g |
|------------|-------|

**Technical specifications for cable**

|                                   |   |  |                      |
|-----------------------------------|---|--|----------------------|
| Acceleration                      | 5 m/s <sup>2</sup>                                  | Bending cycles                                 | 2 Mio                |
| Bending radius, min., moving      | 12 x cable diameter                                 | Bending radius, min., stationary               | 7.5 x cable diameter |
| Cable length                      | 1.5 m   | Colour coding                                  | red, green           |
| Configurable cable length         | No  | Core cross-section AWG                         | AWG 24               |
| Halogen                           | No  | Hybrid cable                                   | No                   |
| Insulation                        | TPE   | Irradiation crosslinked                        | No                   |
| Number of poles                   | 2   | Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V) |
| Outside diameter                  | 7.8 mm ± 0.2 mm                                     | Resistant to welding beads                     | No                   |
| Sheath material                   | PUR   | Sheathing colour                               | violet               |
| Shielded                          | Yes   | Speed  | 3 m/s                |
| Suitable for cable carriers       | Yes   | Temperature range, moving                      | -20...60 °C          |
| Temperature range, stationary     | -40...70 °C   | Welding spark resistance                       | No                   |
| Wire cross section (Print/Online) | PUR 0.25 mm <sup>2</sup> / PVC 0.34 mm <sup>2</sup> |  |                      |

**General technical data**

|                              |                   |                        |                         |
|------------------------------|-------------------|------------------------|-------------------------|
| Coding                       | B-coded           | Connection thread      | M12                     |
| Contact material             | Ni/Au             | 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                    |
| Rated current                | 4 A               | Rated voltage          | 250 V                   |
| Temperature range of housing | -25...+80 °C      | Threaded ring material | Brass, nickel-plated    |
| Tightening torque            | M12: 0.8 - 1.2 Nm | Version                | Female socket, straight |
| jumped                       | No                |                        |                         |

**Electrical properties**

|                     |                   |               |       |
|---------------------|-------------------|---------------|-------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 250 V |
|---------------------|-------------------|---------------|-------|

**General standards**

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

**Plug, left**

|           |   |
|-----------|---|
| Plug left | M12, B-coded, IP67, female contact, straight, Plastic, shielded |
|-----------|---|

**Plug, right**

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

**SAIL-M12BG-PB-1.5D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ECLASS 9.0  | 27-06-03-08 | ECLASS 9.1  | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |
| ECLASS 12.0 | 27-06-03-08 | ECLASS 13.0 | 27-06-03-08 |

**Environmental Product Compliance**

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 1c533b66-fcff-4da5-b89f-fd55fbf5cb55 |

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E307231    |

**Downloads**

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

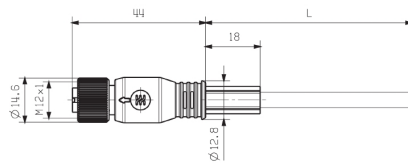
## SAIL-M12BG-PB-1.5D

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

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

# Drawings

## Dimensioned drawing



Socket

## Pole scheme



Socket

## Wiring diagram



## The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

**SAIL-M12BG-PB-1.5D****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Cutting tools**

Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | KT 8                       | Version  |
| Order No.  | <a href="#">9002650000</a> | Cutting tools, Cutting tool for one-hand operation |
| GTIN (EAN) | 4008190020163              |  |
| Qty.       | 1 pc(s).                   |  |

**Tools**

- Stripping tools with automatic self-adjustment
- For flexible and solid conductors
- Ideally suitable for mechanical and plant engineering, railway and rail traffic, wind energy, robot technology, explosion protection as well as marine, offshore and ship building sectors
- Stripping length adjustable via end stop
- Automatic opening of clamping jaws after stripping
- No fanning-out of individual conductors
- Adjustable to diverse insulation thicknesses
- Double-insulated cables in two process steps without special adjustment
- No play in self-adjusting cutting unit
- Long service life
- Optimised ergonomic design

**General ordering data**

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | STRIPPER 6-16 RED-LINE     | Version                    |
| Order No.  | <a href="#">9203110000</a> | Stripping and cutting tool |
| GTIN (EAN) | 4032248541423              |                            |
| Qty.       | 1 pc(s).                   |                            |

## SAIL-M12BG-PB-1.5D

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## Accessories

### Screwty® cable gland tool with torque function



#### The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

#### General ordering data

| Type       | SAI-SCREWTY BOX            | Version                                | Packaging    |
|------------|----------------------------|--|--------------|
| Order No.  | <a href="#">1939180000</a> | Bolting tool                           | Plastic case |
| GTIN (EAN) | 4032248615506              |  | + form       |
| Qty.       | 1 pc(s).                   |  | insert       |
| Type       | SCREWTY-M12-DM             | Version                                | Packaging    |
| Order No.  | <a href="#">1900001000</a> | Cable gland tool for moulded M12 lines | Cardboard    |
| GTIN (EAN) | 4032248436408              |  | box          |
| Qty.       | 1 pc(s).                   |  |              |

### Tools

Sheathing stripper for PVC cables



#### General ordering data

| Type       | AM 12                      | Version                    |
|------------|----------------------------|----------------------------|
| Order No.  | <a href="#">9030060000</a> | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827              |                            |
| Qty.       | 1 pc(s).                   |                            |