

SAIL-M12BG-PB-0.5D**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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™, Ether-CAT and Ethernet.

General ordering data

| | |
|-----------------|---|
| Version | Bus line, One end without connector, M12, Number of poles: 2, 0.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1873320050 |
| Type | SAIL-M12BG-PB-0.5D |
| GTIN (EAN) | 4032248544776 |
| Qty. | 1 items |
| Last order date | 2026-04-30T00:00:00+02:00 |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

Dimensions and weights

Net weight 46 g

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

| | | | |
|--|---|------------------------------|---------------------|
| Cable length | 0.5 m | Sheathing colour | violet |
| Suitable for cable carriers | Yes | Shielded | Yes |
| Halogen | No | Insulation | TPE |
| Acceleration | 5 m/s ² | Bending radius, min., moving | 12 x cable diameter |
| Bending radius, min., stationary | 7.5 x cable diameter | Bending cycles | 2 Mio |
| Wire cross section (Print/Online) | PUR 0.25 mm ² / PVC 0.34 mm ² | Speed | 3 m/s |
| Sheath material | PUR | Configurable cable length | No |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V) | Hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Core cross-section AWG | AWG 24 | Colour coding | red, green |
| Temperature range, stationary | -40...70 °C | Resistant to welding beads | No |
| Temperature range, moving | -20...60 °C | Number of poles | 2 |
| Outside diameter | 7.8 mm ± 0.2 mm | | |

General technical data

| | | | |
|------------------------|-------------------------|------------------------------|--------------|
| Coding | B-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Female socket, straight | Housing main material | PUR |
| Insulation resistance | 108 Ω | Contact material | Ni/Au |
| Nominal voltage | 250 V | Nominal current | 4 A |
| Protection degree | IP67 | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -25...+80 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm | | |

Electrical properties

| | | | |
|-----------------------|-------|-----------------|-------|
| Insulation resistance | 108 Ω | Nominal voltage | 250 V |
|-----------------------|-------|-----------------|-------|

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Technical data

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

Important note

Product information According to the PROFIBUS user organisation, PROFIBUS lines ≤ 1m are to be avoided for transmission speeds of 1.5 MB or higher.

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-07 | | |

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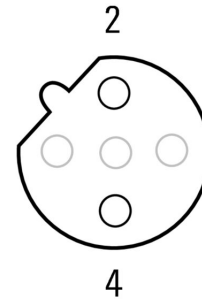
www.weidmueller.com

Drawings

Pole scheme

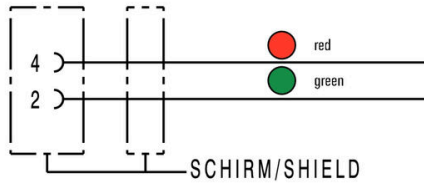


Socket



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

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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. | 9002650000 | Version | Cutting tools, Cutting tool for one-hand operation |
| GTIN (EAN) | 4008190020163 | | |
| Qty. | 1 ST | | |

Tools



Sheathing stripper for PVC cables

General ordering data

| | | | |
|------------|----------------------------|---------|----------------------------|
| Type | AM 12 | Version | |
| Order No. | 9030060000 | Version | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827 | | |
| Qty. | 1 ST | | |

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.

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Accessories

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | SCREWTY-M12-DM | Version | |
| Order No. | 1900001000 | | Cable gland tool for moulded M12 lines |
| GTIN (EAN) | 4032248436408 | | |
| Qty. | 1 ST | | |
| Type | SAI-SCREWTY BOX | Version | |
| Order No. | 1939180000 | | Bolting tool |
| GTIN (EAN) | 4032248615506 | | |
| Qty. | 1 ST | | |

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. | 9203110000 | | Stripping and cutting tool |
| GTIN (EAN) | 4032248541423 | | |
| Qty. | 1 ST | | |