

## SAIL-M12GM12G-PB-0.5D

**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™, Ether-CAT and Ethernet.

### General ordering data

|                 |  |
|-----------------|--|
| Version         | Bus line, Connecting line, M12 / M12, Number of poles: 2, 0.5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.       | <a href="#">1873310050</a>   |
| Type            | SAIL-M12GM12G-PB-0.5D  |
| GTIN (EAN)      | 4032248866250  |
| 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   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E307231                    |

### Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 57.2 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 <sup>2</sup>                                  | 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 <sup>2</sup> / PVC 0.34 mm <sup>2</sup> | 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 / M12            |
| Contact surface              | Gold-plated                      | LED                    | No                   |
| Version                      | pin, straight - socket, straight | Housing main material  | PUR                  |
| Insulation resistance        | 108 Ω                            | 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, male contact, straight, Plastic, shielded

**Plug, right**

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

**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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Drawings

Dimensioned drawing



Male, straight



Straight socket

Pole scheme



Pin

Pole scheme



Socket

**Drawings**

**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