Data sheet

# SAIL-M12BG-PB-3.0D

**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, DeviceNetTM, EtherCAT and Ethernet.

## General ordering data

| | |
|---|---|
| Version | Bus line, One end without connector, M12, Number of poles: 2, 3 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1873320300 |
| Type | SAIL-M12BG-PB-3.0D |
| GTIN (EAN) | 4032248497546 |
| 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 | 242 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 | 3 m | Sheathing colour | violet |
| Suitable for cable carriers | Yes | Shielded | Yes |
| Halogen | No | Insulation | TPE |
| Acceleration | 5 m/s² | 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 mm² / PVC 0.34 mm² | Speed | 3 m/s |
| Sheath material | PUR | Cable length configurable | No |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V) | Type is 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,<br>female contact, straight,<br>Plastic, shielded |

### Plug, right

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

### Classifications

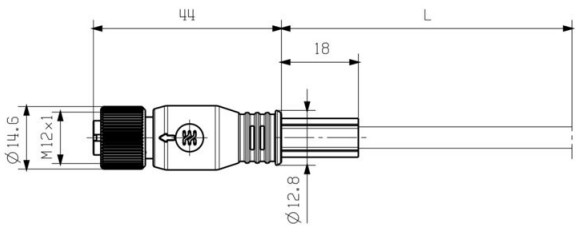
| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-07 | | |

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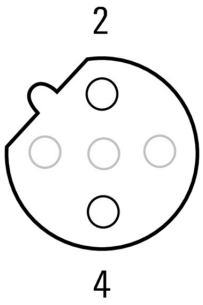
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## Drawings



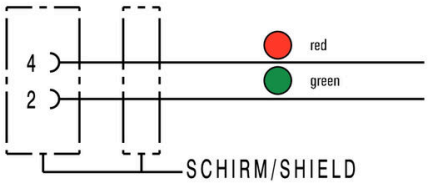

Socket

### 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

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## Drawings