

**SAIL-M12GM12G-PB-0.3D****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™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, Connecting line, M12 / M12, Number of poles: 2, 0.3 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1873310030</a>                                                                                                                                   |
| Type       | SAIL-M12GM12G-PB-0.3D                                                                                                                                        |
| GTIN (EAN) | 4032248497867                                                                                                                                                |
| Qty.       | 1 pc(s).                                                                                                                                                     |

Creation date January 28, 2022 9:11:21 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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

|            |      |
|------------|------|
| Net weight | 53 g |
|------------|------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**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                  | 0.3 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         | Wire cross section (Print/Online)              | PUR 0.25 mm <sup>2</sup> / PVC 0.34 mm <sup>2</sup> |

**General technical data**

|                        |                                  |                              |                   |
|------------------------|----------------------------------|------------------------------|-------------------|
| Coding                 | B                                | Connection thread            | M12 / M12         |
| 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                | pin, straight - socket, straight | jumpered                     | No                |

**Electrical properties**

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

**General standards**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | 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 |             |             |

**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. |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|

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Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">EPLAN, WSCAD</a>             |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

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## Drawings

### Dimensioned drawing



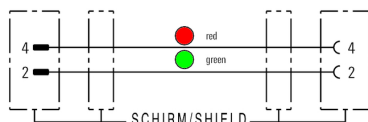
Male, straight

### Pole scheme

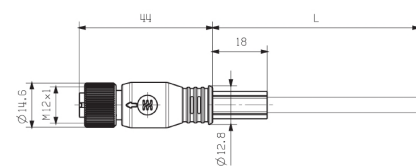


Pin

### Wiring diagram

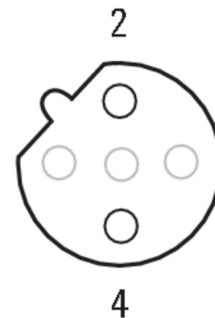


### Dimensioned drawing



Straight socket

### Pole scheme



Socket

### 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

# Mouser Electronics

Authorized Distributor

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