

**SAIL-M12GM12G-PB-0.9D****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, 0.9 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1873310090</a>                                                                                                                                   |
| Type       | SAIL-M12GM12G-PB-0.9D                                                                                                                                        |
| GTIN (EAN) | 4050118165654                                                                                                                                                |
| Qty.       | 1 pc(s).                                                                                                                                                     |

Creation date March 26, 2021 12:31:45 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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

|            |      |
|------------|------|
| Net weight | 98 g |
|------------|------|

**Environmental Product Compliance**

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

**Technical specifications for cable**

|                                                |                             |        |  |
|------------------------------------------------|-----------------------------|--------|--|
| Acceleration                                   | 5 m/s²                      |        |  |
| Bending cycles                                 | 2 Mio                       |        |  |
| Bending radius, min., moving                   | 12 x cable diameter         |        |  |
| Bending radius, min., stationary               | 7.5 x cable diameter        |        |  |
| Cable length                                   | 0.9 m                       |        |  |
| Colour coding                                  | red, green                  |        |  |
| Configurable cable length                      | No                          |        |  |
| Core cross-section AWG                         | AWG 24                      |        |  |
| Halogen                                        | No                          |        |  |
| Housing main material                          | PUR                         |        |  |
| Hybrid cable                                   | No                          |        |  |
| Insulation                                     | TPE                         |        |  |
| Irradiation crosslinked                        | No                          |        |  |
| Number of poles                                | 2                           |        |  |
| Number of poles                                | 2                           |        |  |
| Outer cladding in accordance with UL AWM style | 20236 (80 °C / 30 V)        |        |  |
| Outer diameter                                 | 7.8 ± 0.2 mm                |        |  |
| Outside diameter                               | 7.8 mm ± 0.2 mm             |        |  |
| Outside diameter                               | Diameter                    | 7.8 mm |  |
|                                                | Signs                       | ±      |  |
|                                                | Tolerance                   | 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, moving, max.                | 60 °C                       |        |  |
| Temperature range, moving, min.                | -20 °C                      |        |  |
| Temperature range, stationary                  | -40...70 °C                 |        |  |
| Temperature range, stationary, max.            | 70 °C                       |        |  |
| Temperature range, stationary, min.            | -40 °C                      |        |  |
| Wire cross section                             | PUR 0.25 mm² / PVC 0.34 mm² |        |  |

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**Technical data****General technical data**

|                        |                                  |                              |                   |
|------------------------|----------------------------------|------------------------------|-------------------|
| Coding                 | B                                | Connection thread            | M12 / M12         |
| Contact surface        | Gold-plated                      | Housing main material        | PUR               |
| Insulation strength    | $10^8 \Omega$                    | LED                          | No                |
| Plugging cycles        | $\geq 100$                       | 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 | $10^8 \Omega$ | Rated voltage | 250 V |
|---------------------|---------------|---------------|-------|

**General standards**

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

**Cable structure**

|                  |            |            |     |
|------------------|------------|------------|-----|
| Colour coding    | red, green | Insulation | TPE |
| Sheathing colour | violet     |            |     |

**Electrical properties of cable**

|                     |               |               |     |
|---------------------|---------------|---------------|-----|
| Insulation strength | $10^8 \Omega$ | Rated current | 4 A |
| Speed               | 3 m/s         |               |     |

**Mechanical and material properties of cable**

|              |                    |                |       |
|--------------|--------------------|----------------|-------|
| Acceleration | 5 m/s <sup>2</sup> | Bending cycles | 2 Mio |
| Halogen      | No                 | Speed          | 3 m/s |

**Plug, right**

|                 |             |                       |     |
|-----------------|-------------|-----------------------|-----|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plugging cycles | $\geq 100$  |                       |     |

**Classifications**

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

**Approvals**

Approvals



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

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## Drawings

### Dimensioned drawing



Male, straight

### Pole scheme

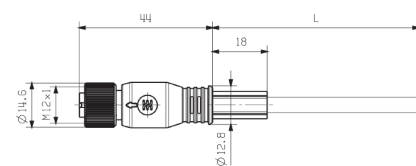


Pin

### Wiring diagram

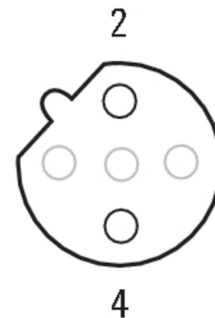


### Dimensioned drawing



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