

**SAIL-M12GM12SG-4S3.0UIE****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: 4, 3 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1296800300</a>                                                                                                                                |
| Type       | SAIL-M12GM12SG-4S3.0UIE                                                                                                                                   |
| GTIN (EAN) | 4050118111033                                                                                                                                             |
| Qty.       | 1 pc(s).                                                                                                                                                  |

Creation date March 23, 2021 2:56:04 PM 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 | 116 g |
|------------|-------|

**Environmental Product Compliance**

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

**Technical specifications for cable**

|                                                |                                            |        |
|------------------------------------------------|--------------------------------------------|--------|
| Acceleration                                   | 5 m/s²                                     |        |
| Bending cycles                                 | 5 Mio                                      |        |
| Bending radius, min., moving                   | 7.5 x cable diameter                       |        |
| Bending radius, min., stationary               | 4 x cable diameter                         |        |
| Cable length                                   | 3 m                                        |        |
| Colour coding                                  | blue, orange, white / blue, white / orange |        |
| Configurable cable length                      | No                                         |        |
| Core cross-section                             | 0.15 mm²                                   |        |
| Halogen                                        | No                                         |        |
| Housing main material                          | PUR                                        |        |
| Hybrid cable                                   | No                                         |        |
| Insulation                                     | PP                                         |        |
| Irradiation crosslinked                        | No                                         |        |
| Number of poles                                | 4                                          |        |
| Number of poles                                | 4                                          |        |
| Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V)                       |        |
| Outer diameter                                 | 4.8 - 0.3 mm                               |        |
| Outside diameter                               | Diameter                                   | 4.8 mm |
|                                                | Signs                                      | ±      |
|                                                | Tolerance                                  | 0.3 mm |
| Outside diameter                               | 4.8 mm ± 0.3 mm                            |        |
| Resistant to welding beads                     | No                                         |        |
| Sheath material                                | PUR                                        |        |
| Sheathing colour                               | green                                      |        |
| Shielded                                       | Yes                                        |        |
| Speed                                          | 180 m/min                                  |        |
| Suitable for cable carriers                    | Yes                                        |        |
| Temperature range, stationary                  | -40...80 °C                                |        |
| Temperature range, stationary, max.            | 80 °C                                      |        |
| Temperature range, stationary, min.            | -40 °C                                     |        |

**General technical data**

|                        |                                 |                              |                   |
|------------------------|---------------------------------|------------------------------|-------------------|
| Coding                 | D                               | 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                | Male, straight - male, straight | jumpered                     | No                |

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**Technical data****Electrical properties**

|                     |               |               |       |
|---------------------|---------------|---------------|-------|
| Insulation strength | $10^8 \Omega$ | Rated voltage | 250 V |
|---------------------|---------------|---------------|-------|

**Cable structure**

|                  |                                               |            |    |
|------------------|-----------------------------------------------|------------|----|
| Colour coding    | blue, orange, white / blue,<br>white / orange | Insulation | PP |
| Sheathing colour | green                                         |            |    |

**Electrical properties of cable**

|                     |               |               |     |
|---------------------|---------------|---------------|-----|
| Insulation strength | $10^8 \Omega$ | Rated current | 4 A |
| Speed               | 180 m/min     |               |     |

**Mechanical and material properties of cable**

|              |                    |                |           |
|--------------|--------------------|----------------|-----------|
| Acceleration | 5 m/s <sup>2</sup> | Bending cycles | 5 Mio     |
| Halogen      | No                 | Speed          | 180 m/min |

**Plug, right**

|                 |             |                       |     |
|-----------------|-------------|-----------------------|-----|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plugging cycles | ≥ 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

**Downloads**

|                  |                              |
|------------------|------------------------------|
| Engineering Data | <a href="#">EPLAN, WSCAD</a> |
|------------------|------------------------------|

## SAIL-M12GM12SG-4S3.0UIE

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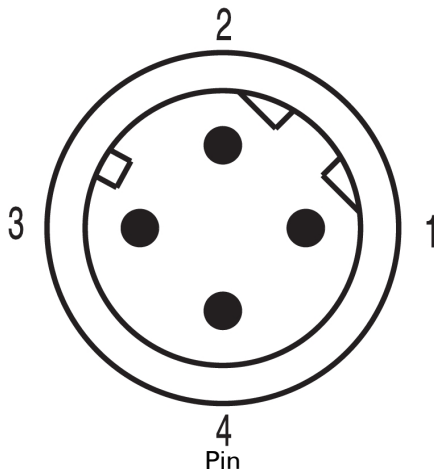
## Drawings

### Dimensioned drawing

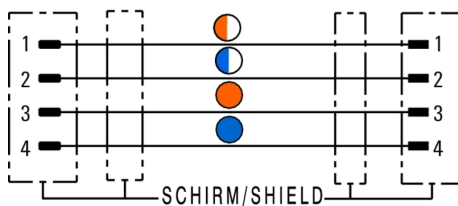


Male, straight

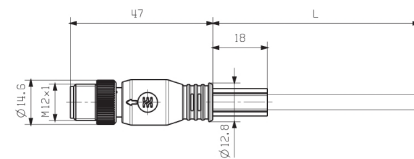
### Pole scheme



### Wiring diagram

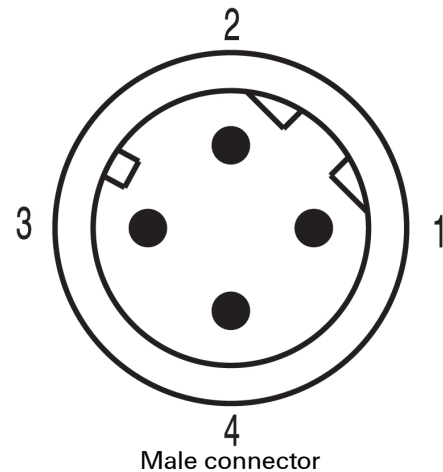


### Dimensioned drawing



Male, straight

### Pole scheme



### 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