

**SAIL-M12GM12SG-4S1.5UIE****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™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, Connecting line, M12 / M12, Number of poles: 4, 1.5 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1296800150</a>                                                                                                                                  |
| Type       | SAIL-M12GM12SG-4S1.5UIE                                                                                                                                     |
| GTIN (EAN) | 4050118110999                                                                                                                                               |
| Qty.       | 1 pc(s).                                                                                                                                                    |

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

|            |      |
|------------|------|
| Net weight | 71 g |
|------------|------|

**Technical specifications for cable**

|                              |                      |                                                |                                            |
|------------------------------|----------------------|------------------------------------------------|--------------------------------------------|
| Acceleration                 | 5 m/s <sup>2</sup>   | Bending cycles                                 | 5 Mio                                      |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary               | 4 x cable diameter                         |
| Cable length                 | 1.5 m                | Colour coding                                  | blue, orange, white / blue, white / orange |
| Configurable cable length    | No                   | Core cross-section                             | 0.15 mm <sup>2</sup>                       |
| Halogen                      | No                   | Hybrid cable                                   | No                                         |
| Insulation                   | PP                   | Irradiation crosslinked                        | No                                         |
| Number of poles              | 4                    | Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V)                       |
| Outside diameter             | 4.8 mm ± 0.3 mm      | Resistant to welding beads                     | No                                         |
| Sheath material              | PUR                  | Sheathing colour                               | green                                      |
| Shielded                     | Yes                  | Speed                                          | 180 m/s                                    |
| Suitable for cable carriers  | Yes                  | Temperature range, stationary                  | -40...80 °C                                |
| Welding spark resistance     | No                   |                                                |                                            |

**General technical data**

|                              |                   |                        |                                 |
|------------------------------|-------------------|------------------------|---------------------------------|
| Coding                       | D-coded           | Connection thread      | M12 / M12                       |
| Contact surface              | Gold-plated       | Housing main material  | PUR                             |
| 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                |                        |                                 |

**Electrical properties**

|               |       |
|---------------|-------|
| Rated voltage | 250 V |
|---------------|-------|

**Plug, left**

|           |                                                               |
|-----------|---------------------------------------------------------------|
| Plug left | M12, D-coded, IP67, male contact, straight, Plastic, shielded |
|-----------|---------------------------------------------------------------|

**Plug, right**

|            |                                                               |
|------------|---------------------------------------------------------------|
| Plug right | M12, D-coded, IP67, male contact, straight, Plastic, shielded |
|------------|---------------------------------------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-06-03-08 |
| ECLASS 13.0 | 27-06-03-08 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

Creation date June 14, 2025 6:01:00 PM CEST

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|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

**Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
| Brochures  | <a href="#">FL FIELDWIRING EN</a>        |

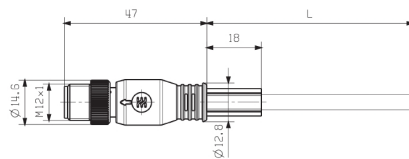
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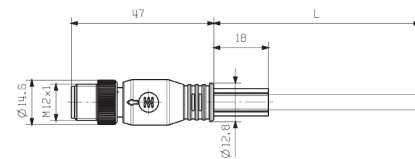
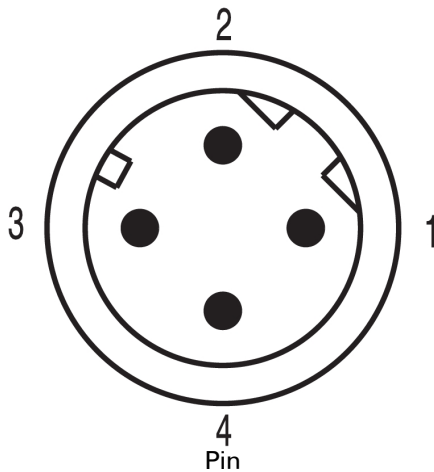
# Drawings

## Dimensioned drawing



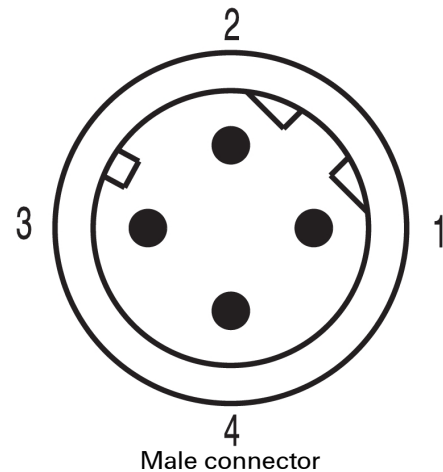
Male, straight

## Pole scheme

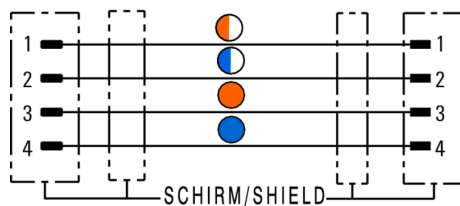


Male, straight

## Pole scheme



## 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