Data sheet

# SAIL-M12GM8SG-4S0.5UIE

**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, Connecting line, M12 / M8, Number of poles: 4, 0.5 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1296790050 |
| Type | SAIL-M12GM8SG-4S0.5UIE |
| GTIN (EAN) | 4050118122220 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Dimensions and weights

| | |
|---|---|
| Net weight | 31.68 g |

### Environmental Product Compliance

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 0.5 m | Sheathing colour | green |
| Suitable for cable carriers | Yes | Core cross-section | 0.15 mm² |
| Shielded | Yes | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s² |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Bending cycles | 5 Mio | Speed | 180 m/s |
| Sheath material | PUR | Cable length configurable | No |
| Outer cladding in accordance with UL AWM style | 20963 (80 °C / 30 V) | Type is hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | blue, orange, white / blue, white / orange | Temperature range, stationary | -40...80 °C |
| Resistant to welding beads | No | Number of poles | 4 |
| Outside diameter | 4.8 mm ± 0.3 mm | | |

### General technical data

| | | | |
|---|---|---|---|
| Connection thread | M12 / M8 | Contact surface | Gold-plated |
| LED | No | Version | Male, straight - male, straight |
| Housing main material | PUR | Nominal voltage | 30 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 | M8: 0.6 Nm, M12: 1.0 Nm |

### Electrical properties

| | |
|---|---|
| Nominal voltage | 30 V |

### Plug, left

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

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## Technical data

### Plug, right

| | |
|---|---|
| Plug right | M8, IP67, male contact, straight, Plastic, shielded |

### Classifications

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

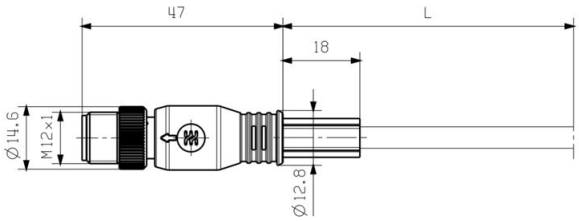
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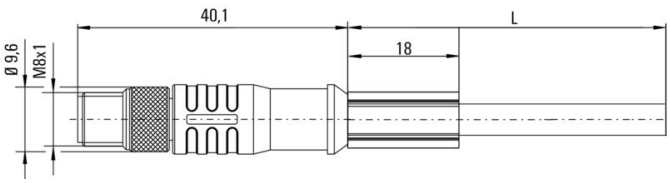
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## Drawings

### Dimensioned drawing

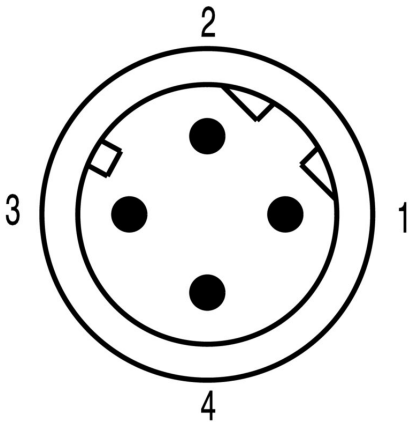



Male, straight



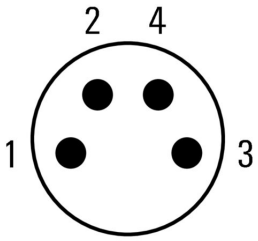

Male, straight

### Pole scheme




Pin

### Pole scheme




Male connector

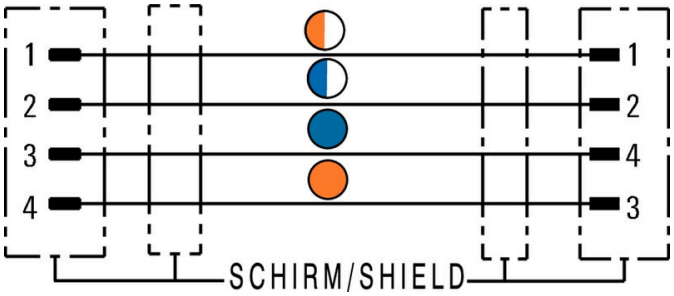
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## Drawings

### 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