Data sheet

# SAIL-M12G-8S1.5U

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.
Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.
Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.
Is there something you have not managed to find or you feel needs explanation? Talk to us!

## General ordering data

| | |
|---|---|
| Version | Sensor/actuator line, One end without connector, M12, Number of poles : 8, 1.5 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1279430150 |
| Type | SAIL-M12G-8S1.5U |
| GTIN (EAN) | 4050118076790 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals |  |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

### Dimensions and weights

| | |
|---|---|
| Net weight | 96 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 | 1.5 m | Sheathing colour | black |
| Suitable for cable carriers | Yes | Core cross-section | 0.25 mm² |
| Shielded | Yes | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s² |
| Bending radius, min., moving | 12 x cable diameter | Bending radius, min., stationary | 5 x cable diameter |
| Bending cycles | 1 mill. | Wire cross section (Print/Online) | 0.25 (8-pole)/ 0.14 (12-pole) |
| Speed | 100 m/s | Sheath material | PUR |
| Cable length configurable | No | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | blue, red, white, brown, green, yellow, grey, pink | Torsion resistance | 360 °/m |
| Temperature range, stationary | -40...80 °C | Resistant to welding beads | No |
| Temperature range, moving | -25...80 °C | Number of poles | 8 |
| Outside diameter | 6.3 mm ± 0.2 mm | | |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight | Housing main material | PUR |
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
| Nominal current | 2 A | AF size | 13 mm |
| Protection degree | IP65, IP66, IP67, when screwed in | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -40 ... +85 ° C |
| Tightening torque | M12: 1.0 Nm | | |

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## Technical data

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
| Rated current | 2 A (8-pole) / 1.5 A (12-pole) | | |

### General standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-101 | Certificate no. (cULus) | E307231 |

### Standards

| | |
|---|---|
| Connector standard | IEC 61076-2-101 |

### Plug, left

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

### Plug, right

| | |
|---|---|
| Plug right | free conductor end |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC001855 | ETIM 9.0 | EC001855 |
| ETIM 10.0 | EC001855 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 | | |

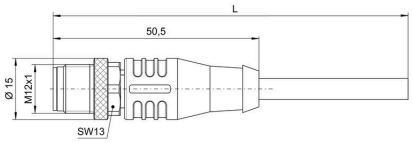
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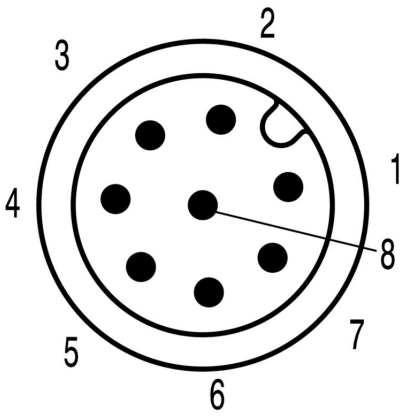
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## Drawings

### Dimensioned drawing

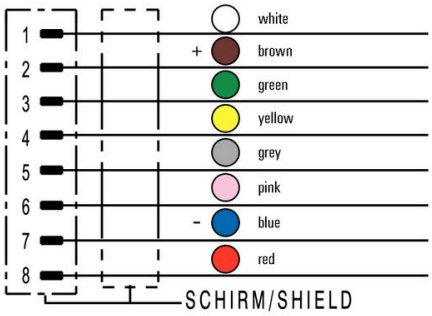



### Pole scheme




Male

### 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

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## Drawings