Data sheet

# SAIL-M12G-12S30U

**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, M12, Number of poles : 12, 30 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1484823000 |
| Type | SAIL-M12G-12S30U |
| GTIN (EAN) | 4099987653015 |
| Qty. | 1 items |

# Data sheet

## SAIL-M12G-12S30U

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

www.weidmueller.com

# Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 900 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 6ef4f442-4200-442c-9896-7fd648ce3c59 |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 30 m | Sheathing colour | black |
| Resistance to oils | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 0.14 mm² | Number of wires | 12 |
| Shielded | Yes | Halogen | No |
| Acceleration | 5 m/s² | Bending radius, min., moving | 12 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Bending cycles | 1 mill. |
| Speed | 100 m/min | Sheath material | PUR |
| Cable length configurable | No | Hydrolysis and microbe resistant | Yes |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Type is hybrid cable | No | Irradiation crosslinked | No |
| Drain wire integrated | No | Colour coding | brown, blue, white, green, pink, yellow, black, grey, red, violet, grey / pink, red / blue |
| Temperature range, stationary | -40...80 °C | Resistant to welding beads | Yes |
| Temperature range, moving | -30...80 °C | Number of poles | 12 |
| Outside diameter | 6 mm ± 0.2 mm | | |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight | Insulation resistance | 108 Ω |
| Contact material | Copper alloy | Nominal voltage | 30 V |
| Nominal current | 1.5 A | AF size | 13 mm |
| Protection degree | IP67, IP69, when screwed in | Plugging cycles | ≥ 100 |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -40 ... +85 ° C |
| Tightening torque | M12: 0.8 - 1.2 Nm | | |

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |

### Plug, left

| | |
|---|---|
| Plug left | M12, A-coded, Number of poles: 12, male contact, straight, plug, shielded |

### Plug, right

| | |
|---|---|
| Plug right | Free conductor end |

# SAIL-M12G-12S30U

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

www.weidmueller.com

## Technical data

### 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 | | |

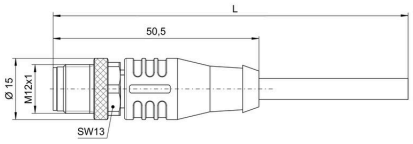
# SAIL-M12G-12S30U

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

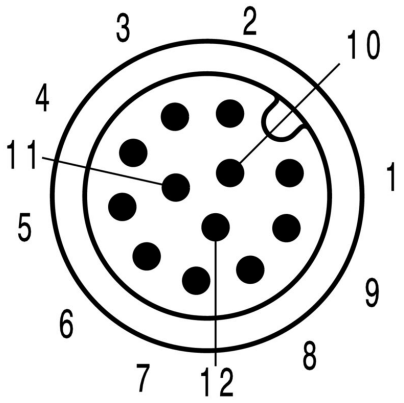
www.weidmueller.com

## Drawings

### Dimensioned drawing

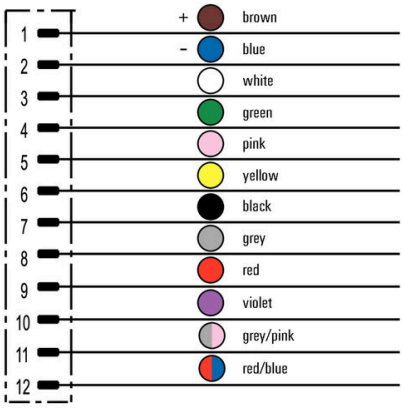



### Pole scheme




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

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

www.weidmueller.com

## Drawings