Data sheet

# SAIL-M12GM12W-4-2.5TOV

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

www.weidmueller.com

## Product image



## General ordering data

| | |
|---|---|
| Version | Sensor/actuator line, M12 / M12, Number of poles : 4, 2.5 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2812630250 |
| Type | SAIL-M12GM12W-4-2.5TOV |
| GTIN (EAN) | 4064675342571 |
| 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 | 120 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | bd63baef-8092-4596-90c7-5b4daa22710b |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 2.5 m | Sheathing colour | orange |
| Resistance to oils | in accordance with IEC 60811:404 | Suitable for cable carriers | Yes |
| Core cross-section | 0.34 mm² | Number of wires | 4 |
| Shielded | No | Halogen | No |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Bending cycles | 10 Mio | Resistance to spread of flame | in accordance with IEC 60332-1-2 |
| Sheath material | PUR | Cable length configurable | No |
| LABS-free | Yes | Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) |
| Core in accordance with UL AWM style | 10995 (80 °C / 300 V) | Type is hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | Yes |
| Colour coding | brown, white, blue, black | Torsion resistance | 360 °/m |
| Temperature range, stationary | -40...80 °C | Resistant to welding beads | Yes |
| Temperature range, moving | -30...80 °C | Number of poles | 4 |

### General technical data

| | | | |
|---|---|---|---|
| Coding | A-coded | Connection thread | M12 / M12 |
| Contact surface | Gold-plated | LED | No |
| Housing main material | PUR | Contact material | Copper alloy |
| Nominal voltage | 24 V | Nominal current | 4 A |
| AF size | 12 mm | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Pollution severity | 3 | Threaded ring material | Diecast zinc |
| Temperature range of housing | -25...+85 °C | | |

### Electrical properties

| | |
|---|---|
| Nominal voltage | 24 V |

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# Technical data

### 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, Number of poles: 4, male contact, straight, plug, unshielded |

### Plug, right

| | |
|---|---|
| Plug right | M12, A-coded, Number of poles: 4, female contact, angled 0°, plug, unshielded |

### 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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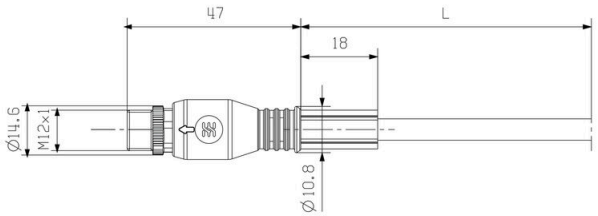
www.weidmueller.com

## Drawings

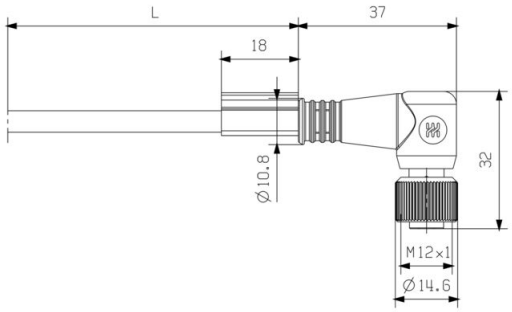
### Detailed drawing



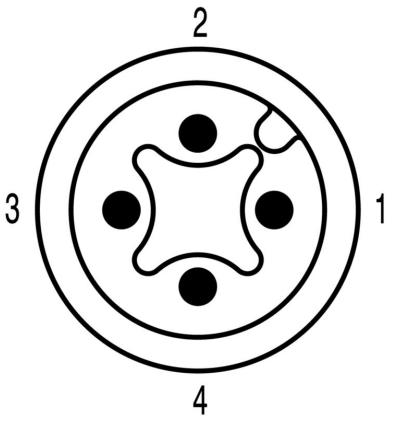
### Dimensioned drawing



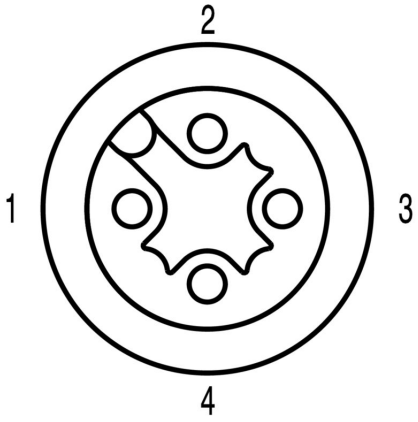

### Dimensioned drawing



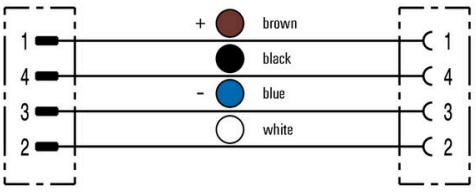

### Pole scheme




### Pole scheme




### Wiring diagram



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## Drawings

### 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