

**SAIL-M12WM12W-S-1.5P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

**General ordering data**

|            |  |
|------------|--|
| Version    | Power cable, Connecting line, M12 / M12, Number of poles : 4 (3 + PE), 1.5 m, pin, 90°; - socket 90°; Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050470150</a>   |
| Type       | SAIL-M12WM12W-S-1.5P   |
| GTIN (EAN) | 4050118441802  |
| Qty.       | 1 items  |

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## Technical data

### Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate no. (cULus) | E310075                    |

### Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 100 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                  |
| PE function                      | Yes                              | Suitable for cable carriers                    | Yes                    |
| Core cross-section               | 1.5 mm <sup>2</sup>              | Shielded                                       | No                     |
| Halogen                          | No                               | Insulation                                     | PP                     |
| Acceleration                     | 5 m/s <sup>2</sup>               | Bending radius, min., moving                   | 7.5 x cable diameter   |
| Bending radius, min., stationary | 4 x cable diameter               | Bending cycles                                 | 10 Mio                 |
| Speed                            | 5 m/s                            | Sheath material                                | PUR                    |
| Configurable cable length        | No                               | Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) |
| Irradiation crosslinked          | No                               | Welding spark resistance                       | No                     |
| Colour coding                    | grey, black, brown, Green/yellow | Temperature range, stationary                  | -50...80 °C            |
| Resistant to welding beads       | No                               | Temperature range, moving                      | -40...80 °C            |
| Number of poles                  | 4 (3 + PE)                       | Outside diameter                               | 9.6 mm ± 0.3 mm        |

### General technical data

|                       |                         |                              |                |
|-----------------------|-------------------------|------------------------------|----------------|
| Coding                | S-coded                 | Connection thread            | M12 / M12      |
| Contact surface       | Gold-plated             | LED                          | No             |
| Version               | pin, 90°; - socket 90°; | Housing main material        | PUR            |
| Insulation resistance | 108 Ω                   | Nominal voltage              | 600 V          |
| Nominal current       | 12 A                    | AF size                      | 13 mm          |
| Protection degree     | IP67, when screwed in   | Plugging cycles              | ≥ 100          |
| Pollution severity    | 3                       | Temperature range of housing | -40 ... +85 °C |
| Tightening torque     | M12: 1.0 Nm             |                              |                |

### Electrical properties

|                       |       |                 |       |
|-----------------------|-------|-----------------|-------|
| Insulation resistance | 108 Ω | Nominal voltage | 600 V |
|-----------------------|-------|-----------------|-------|

### General standards

|                    |                 |                         |         |
|--------------------|-----------------|-------------------------|---------|
| Connector standard | IEC 61076-2-111 | Certificate no. (cULus) | E310075 |
|--------------------|-----------------|-------------------------|---------|

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**Technical data**

**Standards**

Connector standard IEC 61076-2-111

**Plug, left**

Plug left M12, S-coded, IP67, male contact, angled 90°, Plastic, unshielded

**Plug, right**

Plug right M12, S-coded, IP67, female contact, angled 90°, Plastic, 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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**Drawings**

**Dimensioned drawing**



**Dimensioned drawing**



**Pole scheme**



**Pole scheme**



**Wiring diagram**



**The ideal tool: Screwty® with torque function**

