# SAIL-M12WM12W-S-5.0P

**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), 5 m, pin, 90° - socket 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050470500 |
| Type | SAIL-M12WM12W-S-5.0P |
| GTIN (EAN) | 4050118441550 |
| Qty. | 1 pc(s). |

Creation date December 4, 2023 9:38:04 AM CET

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## Technical data

### Dimensions and weights

| | |
|---|---|
| Net weight | 300 g |

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Acceleration | 5 m/s² | Bending cycles | 10 Mio |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Cable length | 5 m | Colour coding | grey, black, brown, Green/ yellow |
| Configurable cable length | No | Core cross-section | 1.5 mm² |
| Halogen | No | Insulation | PP |
| Irradiation crosslinked | No | Number of poles | 4 (3 + PE) |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Outside diameter | 9.6 mm ± 0.3 mm |
| PE function | Yes | Resistant to welding beads | No |
| Sheath material | PUR | Sheathing colour | black |
| Shielded | No | Speed | 5 m/s |
| Suitable for cable carriers | Yes | Temperature range, moving | -40...80 °C |
| Temperature range, stationary | -50...80 °C | Welding spark resistance | No |

### General technical data

| | | | |
|---|---|---|---|
| AF size | 13 mm | Coding | S-coded |
| Connection thread | M12 / M12 | Contact surface | Gold-plated |
| Housing main material | PUR | Insulation strength | $10^8$ Ω |
| LED | No | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | Protection degree | IP67, when screwed in |
| Rated current | 12 A | Rated voltage | 600 V |
| Temperature range of housing | -40 ... +85 ° C | Tightening torque | M12: 0.8 - 1.2 Nm |
| Version | pin, 90° - socket 90° | | |

### Electrical properties

| | | | |
|---|---|---|---|
| Insulation strength | $10^8$ Ω | Rated voltage | 600 V |

### General standards

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

### Standards

| | |
|---|---|
| Connector standard | IEC 61076-2-111 |

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## Technical data

### Plug

| | | |
|---|---|---|
| Plug | Cable side | left |
| | Version of contact face | M12 |
| | Coding of plug | S-coded |
| | Protection degree (IP) | IP67 |
| | Gender of contact | male contact |
| | Outlet direction | angled 90° |
| | Housing main material | Plastic |
| | Shielding available | No |
| | Cable side | right |
| | Version of contact face | M12 |
| | Coding of plug | S-coded |
| | Protection degree (IP) | IP67 |
| | Gender of contact | female contact |
| | Outlet direction | angled 90° |
| | Housing main material | Plastic |
| | Shielding available | No |
| Plug left | M12, S-coded, IP67, male contact, angled 90°, Plastic, unshielded | |
| Plug right | M12, S-coded, IP67, female contact, angled 90°, Plastic, unshielded | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| ETIM 8.0 | EC001855 | ETIM 9.0 | EC001855 |
| ECLASS 9.0 | 27-06-03-11 | ECLASS 9.1 | 27-06-03-11 |
| ECLASS 10.0 | 27-06-03-11 | ECLASS 11.0 | 27-06-03-11 |
| ECLASS 12.0 | 27-06-03-11 | ECLASS 13.0 | 27060311 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E310075 |

### Downloads

| | |
|---|---|
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

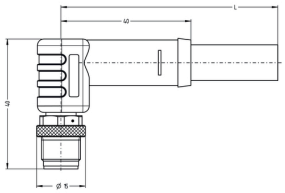
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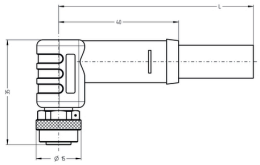
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## Drawings

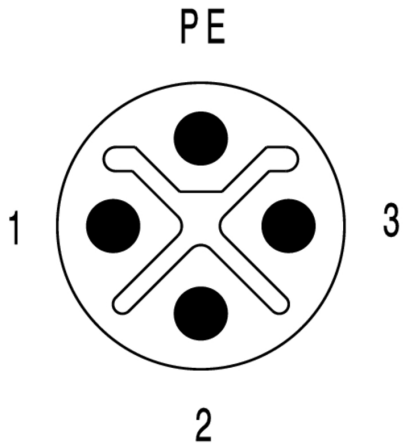
### Dimensioned drawing



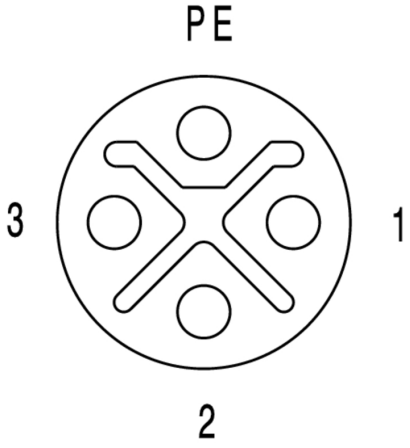
### Dimensioned drawing



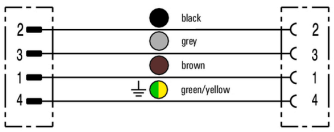
### Pole scheme




### Pole scheme




### Wiring diagram




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

