Data sheet

# SAIL-M12GM12W-S3-5.0P

**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 : 3 (2 + PE), 5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050100500 |
| Type | SAIL-M12GM12W-S3-5.0P |
| GTIN (EAN) | 4050118441406 |
| Qty. | 1 items |

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# Technical data

### Approvals

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

### Dimensions and weights

| | |
|---|---|
| Net weight | 300 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 | 5 m | Sheathing colour | black |
| PE function | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 1.5 mm² | Number of wires | 3 |
| Shielded | No | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s² |
| 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 | Cable length configurable | No |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Type is hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | blue, brown, Green/yellow | Temperature range, stationary | -50...80 °C |
| Resistant to welding beads | No | Temperature range, moving | -40...80 °C |
| Number of poles | 3 (2 + PE) | | |

### General technical data

| | | | |
|---|---|---|---|
| Coding | S-coded | Connection thread | M12 / M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight - socket, 90° | Housing main material | PUR |
| Insulation resistance | 108 Ω | Contact material | Copper alloy |
| Nominal voltage | 600 V | Nominal current | 12 A |
| AF size | 13 mm | Protection degree | IP67, when screwed in |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -30...+90 °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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### Standards

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

### Plug, left

| | |
|---|---|
| Plug left | M12, S-coded, Number of poles: 3, male contact, straight, plug, unshielded |

### Plug, right

| | |
|---|---|
| Plug right | M12, S-coded, Number of poles: 3, 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 | | |

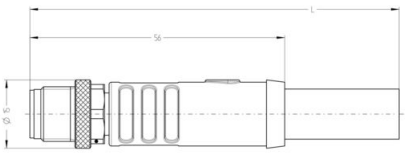
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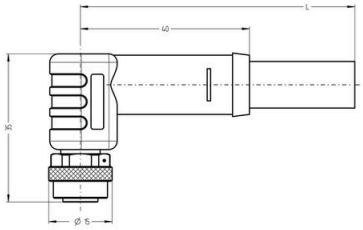
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## Drawings

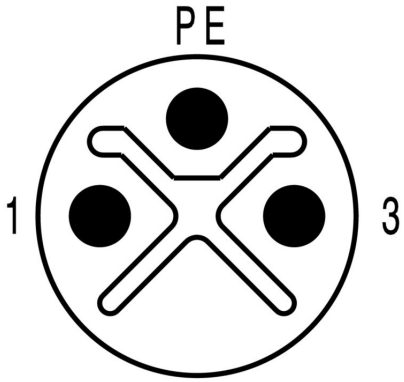
### Dimensioned drawing



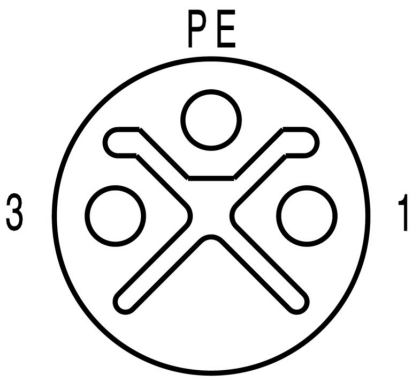
### Dimensioned drawing



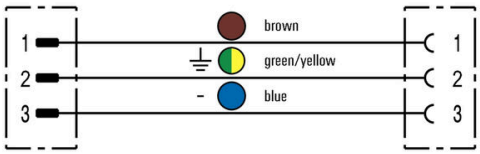
### Pole scheme




### Pole scheme




### Wiring diagram




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

