Data sheet

# SAIL-M12BG-S-3.0P

**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, One end without connector, M12, Number of poles : 4 (3 + PE), 3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050160300 |
| Type | SAIL-M12BG-S-3.0P |
| GTIN (EAN) | 4050118441451 |
| 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 | 200 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 | 3 m | Sheathing colour | black |
| Resistance to oils | Yes | PE function | Yes |
| Suitable for cable carriers | Yes | Core cross-section | 1.5 mm² |
| Number of wires | 4 | 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 |
| Resistance to spread of flame | in accordance with IEC 60332-1-2, in accordance with UL 1581 VW-1 and CSA FT1 | Speed | 300 m/min |
| Sheath material | PUR | Cable length configurable | No |
| LABS-free | Yes | Hydrolysis and microbe resistant | Yes |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Type is hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | Yes |
| Colour coding | brown, black, grey, Green/ yellow | Torsion resistance | 270 °/m |
| Temperature range, stationary | -40...80 °C | Resistant to welding beads | Yes |
| Temperature range, moving | -30...80 °C | Number of poles | 4 (3 + PE) |

### General technical data

| | | | |
|---|---|---|---|
| Coding | S-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Female socket, straight | Housing main material | PUR |
| Insulation resistance | 108 Ω | Contact material | CuZn |
| Nominal voltage | 600 V | Nominal current | 12 A |
| AF size | 13 mm | Protection degree | IP65, IP67, IP68, when screwed in |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Threaded ring material | Nickel-plated CuZn | Temperature range of housing | -30...+90 °C |
| Tightening torque | M12: 1.0 Nm | | |

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## Technical data

### Electrical properties

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

### General standards

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

### Standards

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

### Plug, left

| | |
|---|---|
| Plug left | connector, M12, S-coded, Number of poles: 4, IP67, female contact, straight, plug, Plastic, unshielded |

### Plug, right

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

### 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 | | |

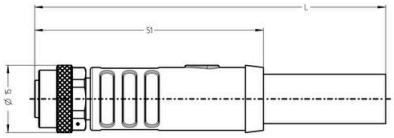
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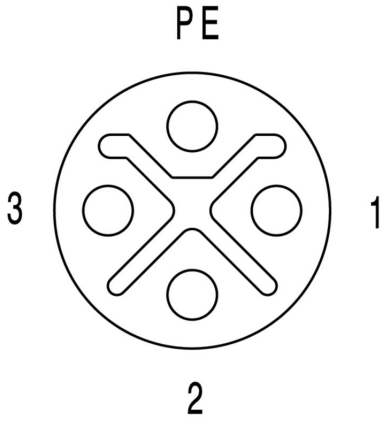
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## Drawings

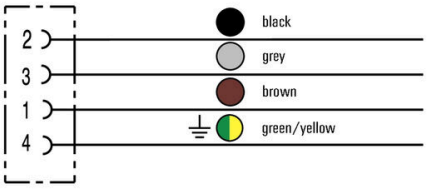
### Dimensioned drawing




### Pole scheme




### Wiring diagram




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

