Data sheet

# SAIL-M12G-K-10P

**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 : 5 (4 + PE), 10 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2455211000 |
| Type | SAIL-M12G-K-10P |
| GTIN (EAN) | 4050118470109 |
| Qty. | 1 items |

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# Technical data

### Approvals

| | |
|---|---|
| Approvals |  |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E257571 |

### Dimensions and weights

| | |
|---|---|
| Net weight | 500 g |

### Environmental Product Compliance

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

### Technical specifications for cable

| | | | |
|---|---|---|---|
| Cable length | 10 m | Sheathing colour | black |
| PE function | Yes | Suitable for cable carriers | Yes |
| Core cross-section | 1.5 mm² | 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 | 20939 (80 °C / 600 V) |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | Green/yellow, black (1), black (2), black (3), black (4) | Temperature range, stationary | -40...80 °C |
| Resistant to welding beads | No | Temperature range, moving | -30...80 °C |
| Number of poles | 5 (4 + PE) | Outside diameter | 8 mm ± 0.2 mm |

### General technical data

| | | | |
|---|---|---|---|
| Coding | K-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight | Housing main material | PUR |
| Insulation resistance | 108 Ω | Nominal voltage | 600 V |
| Nominal current | 12 A | Protection degree | IP65, IP67, when screwed in |
| Plugging cycles | ≤ 100 | Pollution severity | 3 |
| jumpered | No | Temperature range of housing | -40 ... +85 ° C |
| Tightening torque | M12: 0.8 - 1.2 Nm | | |

### Electrical properties

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

### General standards

| | | | |
|---|---|---|---|
| Connector standard | IEC 61076-2-111 | Certificate no. (cULus) | E257571 |

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### Standards

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

### Plug, left

| | |
|---|---|
| Plug left | M12, K-coded, IP67, male contact, straight, 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 | | |

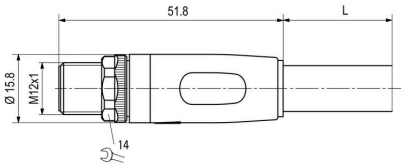
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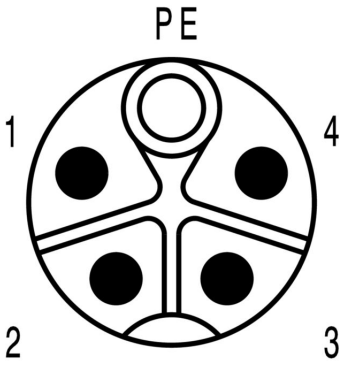
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## Drawings

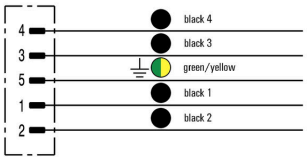
### Dimensioned drawing




### Pole scheme




### Wiring diagram




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

