

**SAIL-M12G-K-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, One end without connector, M12, Number of poles : 5 (4 + PE), 1.5 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2455210150</a>  |
| Type       | SAIL-M12G-K-1.5P  |
| GTIN (EAN) | 4050118470086   |
| 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 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 | 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 jumpered | ≤ 100             | Pollution severity           | 3                           |
| Tightening torque        | M12: 0.8 - 1.2 Nm | Temperature range of housing | -40 ... +85 °C              |

## Electrical properties

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

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**Technical data**

**General standards**

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

**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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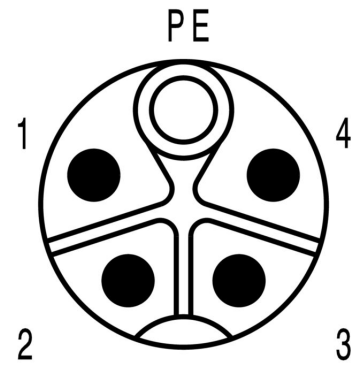
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Dimensioned drawing**



**Pole scheme**



**Wiring diagram**



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

