

**SAIL-M12GM12G-K-3.0P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 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,<br>Number of poles : 5 (4 + PE), 3 m, pin, straight -<br>socket, straight, Shielded: No, LED: No, Sheath<br>material: PUR, Halogen: No |
| Order No.  | <a href="#">2455250300</a>                                                                                                                                                      |
| Type       | SAIL-M12GM12G-K-3.0P                                                                                                                                                            |
| GTIN (EAN) | 4050118470253                                                                                                                                                                   |
| Qty.       | 1 pc(s).                                                                                                                                                                        |

Creation date March 27, 2021 12:46:15 AM CET

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**Technical data****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 200 g |
|------------|-------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**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                                   | 3 m                                                      |        |
| Colour coding                                  | Green/yellow, black (1), black (2), black (3), black (4) |        |
| Configurable cable length                      | No                                                       |        |
| Core cross-section                             | 1.5 mm²                                                  |        |
| Halogen                                        | No                                                       |        |
| Housing main material                          | PUR                                                      |        |
| Insulation                                     | PP                                                       |        |
| Number of poles                                | 5                                                        |        |
| Number of poles                                | 5 (4 + PE)                                               |        |
| Outer cladding in accordance with UL AWM style | 20939 (80 °C / 600 V)                                    |        |
| Outside diameter                               | Diameter                                                 | 8 mm   |
|                                                | Signs                                                    | ±      |
|                                                | Tolerance                                                | 0.2 mm |
| Outside diameter                               | 8 mm ± 0.2 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                      | -30...80 °C                                              |        |
| Temperature range, moving, max.                | 80 °C                                                    |        |
| Temperature range, moving, min.                | -30 °C                                                   |        |
| Temperature range, stationary                  | -40...80 °C                                              |        |
| Temperature range, stationary, max.            | 80 °C                                                    |        |
| Temperature range, stationary, min.            | -40 °C                                                   |        |

**General technical data**

|                     |                                  |                              |              |
|---------------------|----------------------------------|------------------------------|--------------|
| Coding              | K                                | Connection thread            | M12 / M12    |
| Contact surface     | Gold-plated                      | Housing main material        | PUR          |
| Insulation strength | 10 <sup>8</sup> Ω                | LED                          | No           |
| Plugging cycles     | ≤ 100                            | Pollution severity           | 3            |
| Protection degree   | IP65, IP67, when screwed in      | Rated current                | 16 A         |
| Rated voltage       | 600 V                            | Temperature range of housing | -25...+80 °C |
| Version             | pin, straight - socket, straight | jumpered                     | No           |

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | 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 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E257571 |

**Downloads**

|                  |                      |
|------------------|----------------------|
| Engineering Data | <a href="#">STEP</a> |
|------------------|----------------------|

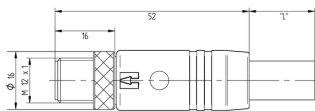
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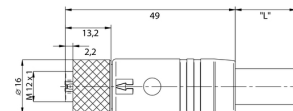
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## Drawings

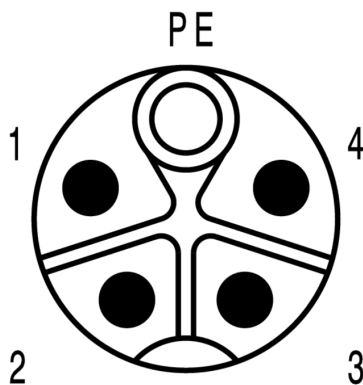
### Dimensioned drawing



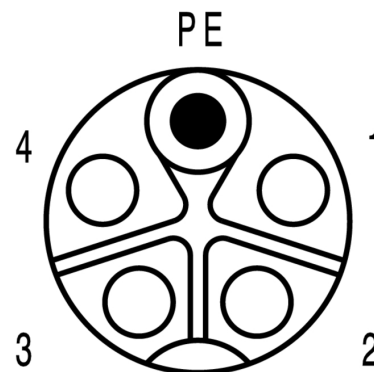
### Dimensioned drawing



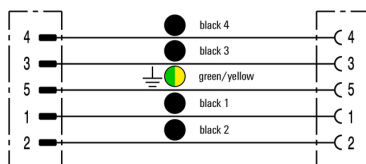
### Pole scheme



### Pole scheme



### Wiring diagram



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

