

**SAIL-M12BG-S-1.5P****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, One end without connector, M12, Number of poles : 4 (3 + PE), 1.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050160150</a>                                                                                                                                          |
| Type       | SAIL-M12BG-S-1.5P                                                                                                                                                   |
| GTIN (EAN) | 4050118441635                                                                                                                                                       |
| Qty.       | 1 pc(s).                                                                                                                                                            |

Creation date July 20, 2021 4:56:00 AM CEST

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

Net weight 100 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

|                              |                      |                                                |                                      |
|------------------------------|----------------------|------------------------------------------------|--------------------------------------|
| Acceleration                 | 5 m/s <sup>2</sup>   | Bending cycles                                 | 10 Mio                               |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary               | 4 x cable diameter                   |
| Cable length                 | 1.5 m                | Colour coding                                  | grey, black, brown, Green/<br>yellow |
| Configurable cable length    | No                   | Core cross-section                             | 1.5 mm <sup>2</sup>                  |
| Halogen                      | No                   | Insulation                                     | PP                                   |
| Number of poles              | 4 (3 + PE)           | Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)               |
| Outside diameter             | 9.6 mm ± 0.3 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    | -40...80 °C          | Temperature range, stationary                  | -50...80 °C                          |

**General technical data**

|                     |                         |                              |              |
|---------------------|-------------------------|------------------------------|--------------|
| Coding              | S                       | Connection thread            | 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   | IP67, when screwed in   | Rated current                | 12 A         |
| Rated voltage       | 600 V                   | Temperature range of housing | -25...+80 °C |
| Version             | Female socket, straight |                              |              |

**Standards**

Connector standard IEC 61076-2-111

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | 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**

ROHS Conform

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">STEP</a>                     |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

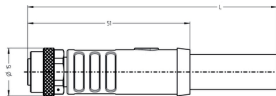
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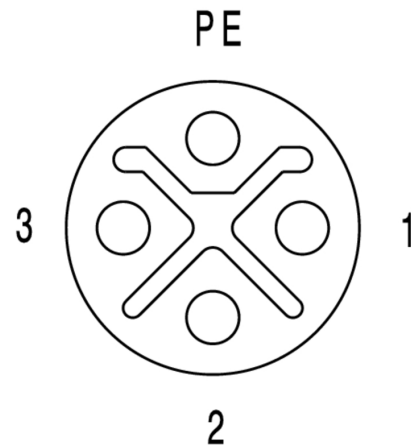
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# Drawings

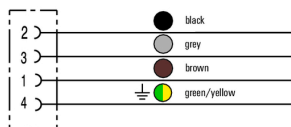
## Dimensioned drawing



## Pole scheme



## Wiring diagram



## The ideal tool: Screwty® with torque function

