

**SAIL-M12G-S-2.0P****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, One end without connector, M12, Number of poles : 4 (3 + PE), 2 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050230200</a>                                                                                                               |
| Type       | SAIL-M12G-S-2.0P                                                                                                                         |
| GTIN (EAN) | 4050118536577                                                                                                                            |
| Qty.       | 1 pc(s).                                                                                                                                 |

Creation date March 26, 2021 10:00:52 PM CET

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

|            |       |
|------------|-------|
| Net weight | 150 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                                   | 2 m                              |        |
| Colour coding                                  | grey, black, brown, Green/yellow |        |
| Configurable cable length                      | No                               |        |
| Core cross-section                             | 1.5 mm²                          |        |
| Halogen                                        | No                               |        |
| Housing main material                          | PUR                              |        |
| Insulation                                     | PP                               |        |
| Number of poles                                | 4                                |        |
| Number of poles                                | 4 (3 + PE)                       |        |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)           |        |
| Outside diameter                               | Diameter                         | 9.6 mm |
|                                                | Signs                            | ±      |
|                                                | Tolerance                        | 0.3 mm |
| 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, moving, max.                | 80 °C                            |        |
| Temperature range, moving, min.                | -40 °C                           |        |
| Temperature range, stationary                  | -50...80 °C                      |        |
| Temperature range, stationary, max.            | 80 °C                            |        |
| Temperature range, stationary, min.            | -50 °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 |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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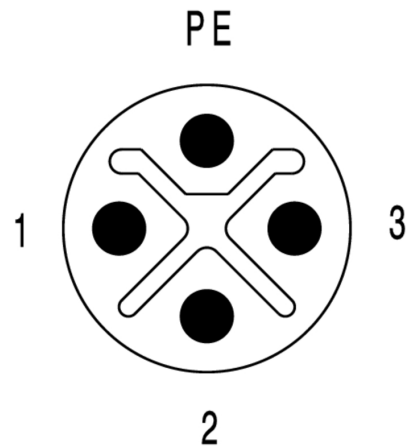
[www.weidmueller.com](http://www.weidmueller.com)

# Drawings

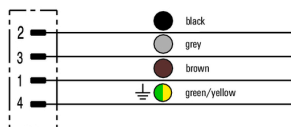
## Dimensioned drawing



## Pole scheme



## Wiring diagram



## The ideal tool: Screwty® with torque function

