

**SAIL-M12BG-S3-4.OP****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 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 : 3 (2 + PE), 4 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2706670400</a>                                                                                                                                        |
| Type       | SAIL-M12BG-S3-4.OP                                                                                                                                                |
| GTIN (EAN) | 4064675578185                                                                                                                                                     |
| Qty.       | 1 items                                                                                                                                                           |

## SAIL-M12BG-S3-4.0P

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E310075

## Dimensions and weights

Net weight 200 g

## Technical specifications for cable

|                                                |                                  |                                  |                      |
|------------------------------------------------|----------------------------------|----------------------------------|----------------------|
| Cable length                                   | 4 m                              | Sheathing colour                 | black                |
| Resistance to oils                             | EN 50363-10-2                    | PE function                      | Yes                  |
| Suitable for cable carriers                    | Yes                              | Core cross-section               | 1.5 mm <sup>2</sup>  |
| Number of wires                                | 3                                | 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               |
| Resistance to spread of flame                  | in accordance with IEC 60332-1-2 | Speed                            | 300 m/min            |
| Sheath material                                | PUR                              | Cable length configurable        | No                   |
| LABS-free                                      | Yes                              | Hydrolysis and microbe resistant | Yes                  |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)           | Type is hybrid cable             | No                   |
| Irradiation crosslinked                        | No                               | Welding spark resistance         | Yes                  |
| Colour coding                                  | brown, Green/yellow, blue        | Torsion resistance               | 270 °/m              |
| Temperature range, stationary                  | -40...80 °C                      | Resistant to welding beads       | Yes                  |
| Temperature range, moving                      | -25...60 °C                      | Number of poles                  | 3 (2 + PE)           |

## General technical data

|                        |                         |                              |                             |
|------------------------|-------------------------|------------------------------|-----------------------------|
| Coding                 | S-coded                 | Connection thread            | M12                         |
| Contact surface        | Gold-plated             | LED                          | No                          |
| Version                | Female socket, straight | Housing main material        | PUR                         |
| Insulation resistance  | 108 Ω                   | Contact material             | Copper alloy                |
| Nominal voltage        | 600 V                   | Nominal current              | 12 A                        |
| AF size                | 13 mm                   | Protection degree            | IP65, IP67, when screwed in |
| Plugging cycles        | ≥ 100                   | Pollution severity           | 3                           |
| Threaded ring material | Brass, nickel-plated    | Temperature range of housing | -40 ... +85 °C              |
| Tightening torque      | M12: 1.0 Nm             |                              |                             |

## Electrical properties

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

## General standards

|                    |                 |                         |         |
|--------------------|-----------------|-------------------------|---------|
| Connector standard | IEC 61076-2-101 | Certificate no. (cULus) | E310075 |
|--------------------|-----------------|-------------------------|---------|

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|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

**Plug, left**

|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Plug left | M12, S-coded, Number of poles: 3, female contact, straight, plug, unshielded |
|-----------|------------------------------------------------------------------------------|

**Plug, right**

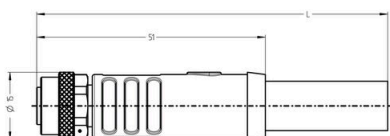
|            |                    |
|------------|--------------------|
| Plug right | Free conductor end |
|------------|--------------------|

**Classifications**

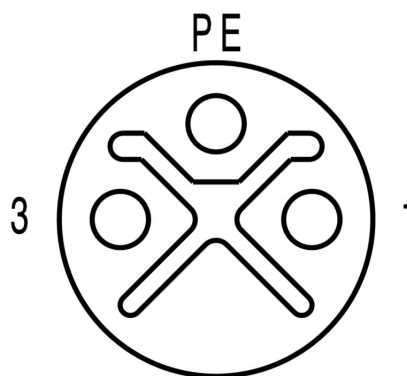
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

## Drawings

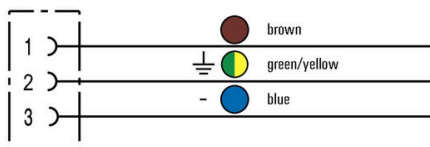
### Dimensioned drawing



### Pole scheme



### Wiring diagram



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

