

**SAIL-M12BW-S-5.0P****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 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 : 4 (3 + PE), 5 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">2050210500</a>                                                                                                                               |
| Type       | SAIL-M12BW-S-5.0P                                                                                                                                        |
| GTIN (EAN) | 4050118441543                                                                                                                                            |
| Qty.       | 1 items                                                                                                                                                  |

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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 300 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                                   | 5 m                              | Sheathing colour                 | black              |
| PE function                                    | Yes                              | Suitable for cable carriers      | Yes                |
| Core cross-section                             | 1.5 mm <sup>2</sup>              | Number of wires                  | 4                  |
| 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                              | Cable length configurable        | No                 |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V)           | Type is hybrid cable             | No                 |
| Irradiation crosslinked                        | No                               | Welding spark resistance         | No                 |
| Colour coding                                  | brown, black, grey, Green/yellow | Temperature range, stationary    | -50...80 °C        |
| Resistant to welding beads                     | No                               | Temperature range, moving        | -40...80 °C        |
| Number of poles                                | 4 (3 + PE)                       |                                  |                    |

## General technical data

|                        |                    |                              |                       |
|------------------------|--------------------|------------------------------|-----------------------|
| Coding                 | S-coded            | Connection thread            | M12                   |
| Contact surface        | Gold-plated        | LED                          | No                    |
| Version                | Socket, angled     | Housing main material        | PUR                   |
| Insulation resistance  | 108 Ω              | Contact material             | CuZn                  |
| Nominal voltage        | 600 V              | Nominal current              | 12 A                  |
| AF size                | 13 mm              | Protection degree            | IP67, when screwed in |
| Plugging cycles        | ≥ 100              | Pollution severity           | 3                     |
| Threaded ring material | Nickel-plated CuZn | Temperature range of housing | -30...+90 °C          |
| Tightening torque      | M12: 1.0 Nm        |                              |                       |

## Electrical properties

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

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|                    |                 |                         |         |
|--------------------|-----------------|-------------------------|---------|
| Connector standard | IEC 61076-2-111 | Certificate no. (cULus) | E310075 |
|--------------------|-----------------|-------------------------|---------|

**Standards**

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

**Plug, left**

|           |                                                                               |
|-----------|-------------------------------------------------------------------------------|
| Plug left | M12, S-coded, Number of poles: 4, female contact, angled 0°, plug, unshielded |
|-----------|-------------------------------------------------------------------------------|

**Plug, right**

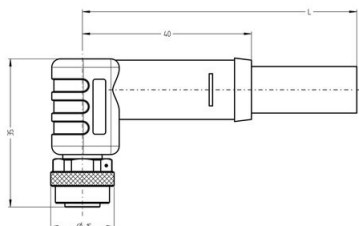
|            |                    |
|------------|--------------------|
| Plug right | Free conductor end |
|------------|--------------------|

**Classifications**

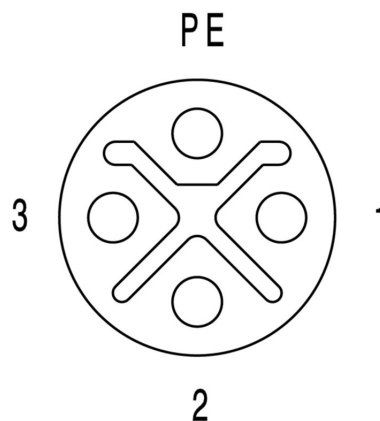
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | EC001855    | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

## Drawings

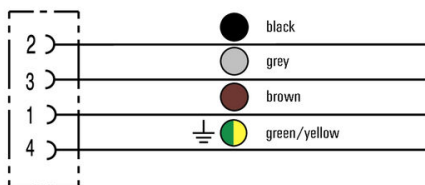
### Dimensioned drawing



### Pole scheme



### Wiring diagram



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

