

**SAIL-M12BW-PB-5.0E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

|            |                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Bus line, One end without connector, M12, Number of poles: 2, 5 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1062370500</a>                                                                                                                    |
| Type       | SAIL-M12BW-PB-5.0E                                                                                                                            |
| GTIN (EAN) | 4032248812561                                                                                                                                 |
| Qty.       | 1 pc(s).                                                                                                                                      |

Creation date March 22, 2021 10:00:51 PM CET

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

|            |       |
|------------|-------|
| Net weight | 317 g |
|------------|-------|

**Environmental Product Compliance**

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

**Technical specifications for cable**

|                                     |                                                     |        |
|-------------------------------------|-----------------------------------------------------|--------|
| Bending radius, min., moving        | 9 x cable diameter                                  |        |
| Bending radius, min., stationary    | 18 x cable diameter                                 |        |
| Cable length                        | 5 m                                                 |        |
| Colour coding                       | red, green                                          |        |
| Configurable cable length           | No                                                  |        |
| Core cross-section AWG              | AWG 22                                              |        |
| Halogen                             | Yes                                                 |        |
| Housing main material               | PUR                                                 |        |
| Hybrid cable                        | No                                                  |        |
| Insulation                          | PVC                                                 |        |
| Irradiation crosslinked             | No                                                  |        |
| Number of poles                     | 2                                                   |        |
| Number of poles                     | 2                                                   |        |
| Outer diameter                      | 7.8 ± 0.2 mm                                        |        |
| Outside diameter                    | Diameter                                            | 7.8 mm |
|                                     | Signs                                               | ±      |
|                                     | Tolerance                                           | 0.2 mm |
| Outside diameter                    | 7.8 mm ± 0.2 mm                                     |        |
| Resistant to welding beads          | No                                                  |        |
| Sheath material                     | PVC                                                 |        |
| Sheathing colour                    | violet                                              |        |
| Shielded                            | Yes                                                 |        |
| Suitable for cable carriers         | No                                                  |        |
| Temperature range, moving           | -5...60 °C                                          |        |
| Temperature range, moving, max.     | 60 °C                                               |        |
| Temperature range, moving, min.     | -5 °C                                               |        |
| Temperature range, stationary       | -20...70 °C                                         |        |
| Temperature range, stationary, max. | 70 °C                                               |        |
| Temperature range, stationary, min. | -20 °C                                              |        |
| Wire cross section                  | PUR 0.25 mm <sup>2</sup> / PVC 0.34 mm <sup>2</sup> |        |

**General technical data**

|                        |                      |                              |                   |
|------------------------|----------------------|------------------------------|-------------------|
| Coding                 | B                    | 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                 | Rated current                | 4 A               |
| Rated voltage          | 250 V                | Temperature range of housing | -25...+80 °C      |
| Threaded ring material | Brass, nickel-plated | Tightening torque            | M12: 0.8 - 1.2 Nm |
| Version                | Socket, angled       | jumpered                     | No                |

**Electrical properties**

|                     |                   |               |       |
|---------------------|-------------------|---------------|-------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 250 V |
|---------------------|-------------------|---------------|-------|

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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**Technical data****General standards**

Certificate no. (cULus) E307231

**Cable structure**

|                  |            |            |     |
|------------------|------------|------------|-----|
| Colour coding    | red, green | Insulation | PVC |
| Sheathing colour | violet     |            |     |

**Electrical properties of cable**

|                     |               |               |     |
|---------------------|---------------|---------------|-----|
| Insulation strength | $10^8 \Omega$ | Rated current | 4 A |
|---------------------|---------------|---------------|-----|

**Mechanical and material properties of cable**

|         |     |
|---------|-----|
| Halogen | Yes |
|---------|-----|

**Plug, right**

|                 |             |                       |     |
|-----------------|-------------|-----------------------|-----|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plugging cycles | $\geq 100$  |                       |     |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ECLASS 9.0  | 27-06-03-08 | ECLASS 9.1  | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E307231 |

**Downloads**

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

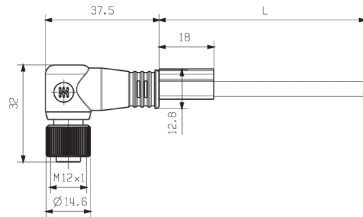
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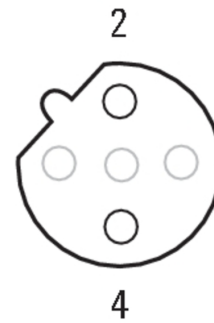
# Drawings

## Dimensioned drawing



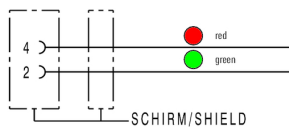
Socket

## Pole scheme



Socket

## Wiring diagram



## The ideal tool: Screwty<sup>®</sup> with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F