

**SAIL-M8BW-4S5.0U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

|            |                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Sensor/actuator line, One end without connector, M8, Number of poles : 4, 5 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No.  | <a href="#">1906630500</a>                                                                                                                               |
| Type       | SAIL-M8BW-4S5.0U                                                                                                                                         |
| GTIN (EAN) | 4032248530441                                                                                                                                            |
| Qty.       | 1 pc(s).                                                                                                                                                 |

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

|            |       |
|------------|-------|
| Net weight | 204 g |
|------------|-------|

**Technical specifications for cable**

|                                                |                                |                                  |                           |
|------------------------------------------------|--------------------------------|----------------------------------|---------------------------|
| Acceleration                                   | 5 m/s <sup>2</sup>             | Bending cycles                   | 2 Mio                     |
| Bending radius, min., moving                   | 12 x conductor cross-section   | Bending radius, min., stationary | 5 x cable diameter        |
| Cable length                                   | 5 m                            | Colour coding                    | brown, black, blue, white |
| Configurable cable length                      | No                             | Core cross-section               | 0.34 mm <sup>2</sup>      |
| Halogen                                        | No                             | Insulation                       | PP                        |
| Irradiation crosslinked                        | No                             | Number of poles                  | 4                         |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V)          | Outside diameter                 | 5.1 mm ± 0.2 mm           |
| Resistance to spread of flame                  | in accordance with IEC 60332-2 | Resistant to welding beads       | No                        |
| Sheath material                                | PUR                            | Sheathing colour                 | black                     |
| Shielded                                       | Yes                            | Speed                            | 100 m/s                   |
| Suitable for cable carriers                    | Yes                            | Temperature range, moving        | -25...80 °C               |
| Temperature range, stationary                  | -40...80 °C                    | Torsion resistance               | 0 °/m                     |
| Welding spark resistance                       | No                             |                                  |                           |

**General technical data**

|                              |                  |                        |                                         |
|------------------------------|------------------|------------------------|-----------------------------------------|
| AF size                      | 9 mm             | Coding                 | A-coded                                 |
| Connection thread            | M8               | 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      | IP65, IP66, IP67, IP68, when screwed in |
| Rated current                | 4 A              | Rated voltage          | 30 V                                    |
| Temperature range of housing | -25...+85 °C     | Threaded ring material | Diecast zinc                            |
| Tightening torque            | M8: 0.5 - 0.6 Nm | Version                | Socket, angled                          |
| jumpered                     | No               |                        |                                         |

**Electrical properties**

|                     |                   |               |      |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 <sup>8</sup> Ω | Rated voltage | 30 V |
|---------------------|-------------------|---------------|------|

**General standards**

|                         |         |                    |                 |
|-------------------------|---------|--------------------|-----------------|
| Certificate no. (cULus) | E307231 | Connector standard | IEC 61076-2-104 |
|-------------------------|---------|--------------------|-----------------|

**Standards**

|                    |                 |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-104 |
|--------------------|-----------------|

**Plug, left**

|           |                                                         |
|-----------|---------------------------------------------------------|
| Plug left | M8, IP67, female contact, angled 90°, Plastic, shielded |
|-----------|---------------------------------------------------------|

**Plug, right**

|            |                    |
|------------|--------------------|
| Plug right | free conductor end |
|------------|--------------------|

Creation date June 12, 2025 11:19:48 AM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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**Technical data****Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001855    | ETIM 7.0    | EC001855    |
| ETIM 8.0    | EC001855    | ETIM 9.0    | EC001855    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-06-03-11 |
| ECLASS 13.0 | 27-06-03-11 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 |             |             |

**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 |

**Approvals**

Approvals



|                         |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search   | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate no. (cULus) | E307231                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                             |                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------|
| Engineering Data            | <a href="#">CAD data – STEP</a>                                                                |
| Product Change Notification | <a href="#">PCN-PB46-20250213-00-A-de.pdf</a><br><a href="#">PCN-PB46-20250213-00-A-en.pdf</a> |
| Catalogues                  | <a href="#">Catalogues in PDF-format</a>                                                       |
| Brochures                   | <a href="#">FL FIELDWIRING EN</a>                                                              |

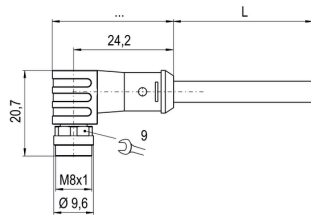
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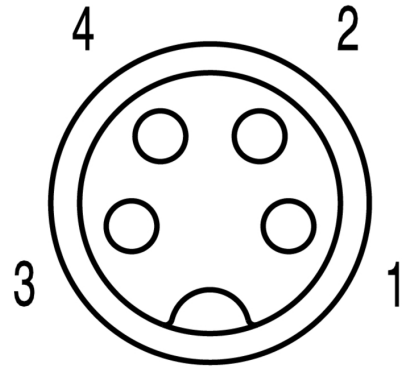
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# Drawings

## Dimensioned drawing

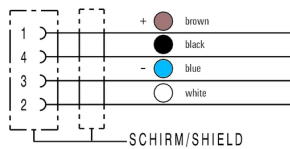


## Pole scheme



Socket

## Wiring diagram



## The ideal tool: Screwty® 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