

SAIL-M8BW-4S1.5U

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, 1.5 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1906630150 |
| Type | SAIL-M8BW-4S1.5U |
| GTIN (EAN) | 4032248530427 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

Net weight 66 g

Temperatures

Operating temperature, min. -25 °C Operating temperature, max. 80 °C

Technical specifications for cable

| | | | |
|--|--------------------------------|----------------------------------|---------------------------|
| Acceleration | 5 m/s ² | Bending cycles | 2 Mio |
| Bending radius, min., moving | 12 x conductor cross-section | Bending radius, min., stationary | 5 x cable diameter |
| Cable length | 1.5 m | Colour coding | brown, black, blue, white |
| Configurable cable length | No | Core cross-section | 0.34 mm ² |
| 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/min |
| 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

| | | | |
|------------------------|---|------------------------------|------------------|
| Coding | A | Connection thread | M8 |
| Contact surface | Gold-plated | Housing main material | PUR |
| Insulation strength | 10 ⁸ 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 | -40 ... +85 °C |
| Threaded ring material | Diecast zinc | Tightening torque | M8: 0.5 - 0.6 Nm |
| Version | Socket, angled | jumped | No |

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 30 V

General standards

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

Standards

Connector standard IEC 61076-2-104

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| ETIM 8.0 | 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 |

Creation date March 16, 2023 6:19:36 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |

Downloads

| | |
|------------------|--|
| Engineering Data | WSCAD |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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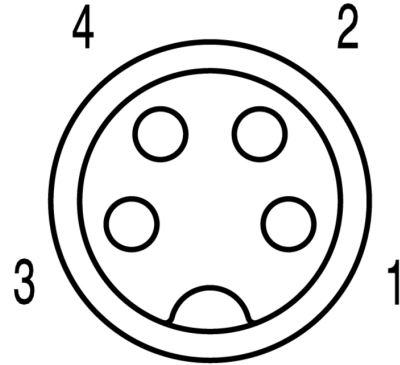
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Drawings

Dimensioned drawing

Pole scheme

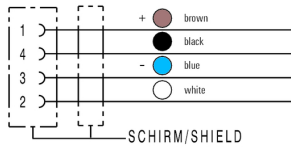


Angled socket

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