

SAIL-M8WM8W-4S4.5U**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.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

| | |
|------------|--|
| Version | Sensor/actuator line, M8, Number of poles : 4, 4.5 m, pin, 90° - socket 90°, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2443150450 |
| Type | SAIL-M8WM8W-4S4.5U |
| GTIN (EAN) | 4050118457032 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | |
|------------|-------|
| Net weight | 197 g |
|------------|-------|

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 | 4.5 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/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

| | | | |
|------------------------|---|------------------------------|------------------|
| Coding | A-coded | 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 | -25...+85 °C |
| Threaded ring material | Diecast zinc | Tightening torque | M8: 0.5 - 0.6 Nm |
| Version | pin, 90°; - socket 90° | jumpered | No |

Electrical properties

| | | | |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 ⁸ Ω | Rated voltage | 30 V |
|---------------------|-------------------|---------------|------|

General standards

| | |
|-------------------------|---------|
| Certificate no. (cULus) | E307231 |
|-------------------------|---------|

Plug, left

| | |
|-----------|---|
| Plug left | M8, IP69, male contact, angled 90°, Plastic, shielded |
|-----------|---|

Plug, right

| | |
|------------|---|
| Plug right | M8, IP69, female contact, angled 90°, Plastic, shielded |
|------------|---|

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| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| ETIM 8.0 | EC001855 | ETIM 9.0 | 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 | | |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

Approvals

Approvals



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

Downloads

| | |
|------------|--|
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

SAIL-M8WM8W-4S4.5U

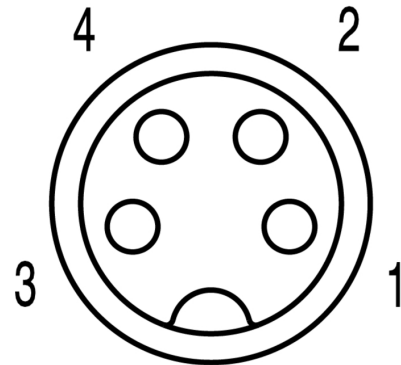
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Drawings
Dimensioned drawing

Dimensioned drawing

Pole scheme

Pole scheme

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