

SAIL-M12BW-8-1.0U

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, One end without connector, M12, Number of poles : 8, 1 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1883460100 |
| Type | SAIL-M12BW-8-1.0U |
| GTIN (EAN) | 4050118624427 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

Dimensions and weights

Net weight 55.2 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 | 1 m | Sheathing colour | black |
| Suitable for cable carriers | Yes | Core cross-section | 0.25 mm ² |
| Shielded | No | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s ² |
| Bending radius, min., moving | 10 x cable diameter | Bending radius, min., stationary | 5 x cable diameter |
| Bending cycles | 1 mill. | Speed | 5 m/s |
| Sheath material | PUR | Configurable cable length | No |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Core in accordance with UL AWM style | 10493 (80 °C / 300 V) |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | blue, red, white, brown, green, yellow, grey, pink | Torsion resistance | 180 °/m |
| Temperature range, stationary | -40...80 °C | Resistant to welding beads | No |
| Temperature range, moving | -25...80 °C | Number of poles | 8 |
| Outside diameter | 5.9 mm ± 0.2 mm | | |

General technical data

| | | | |
|------------------------|-----------------------------------|------------------------------|----------------|
| Coding | A-coded | Connection thread | M12 |
| Contact surface | Gold-plated | LED | No |
| Version | Socket, angled | Housing main material | PUR |
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
| Nominal current | 2 A | AF size | 13 mm |
| Protection degree | IP67, when screwed in, IP65, IP66 | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | jumpered | No |
| Threaded ring material | Brass, nickel-plated | Temperature range of housing | -40 ... +85 °C |
| Tightening torque | M12: 1.0 Nm | | |

Electrical properties

| | | | |
|-----------------------|--------------------------------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 30 V |
| Rated current | 2 A (8-pole) / 1.5 A (12-pole) | | |

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Technical data**General standards**

Certificate no. (cULus) E307231

Plug, left

Plug left M12, A-coded, IP67,
female contact, angled
90°, Plastic, 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 | | |

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Drawings

Dimensioned drawing



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

