

SAIL-M12BG-4-10T

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Germany

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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

| | |
|------------|--|
| Type | SAIL-M12BG-4-10T |
| Order No. | 1968581000 |
| Version | Sensor/actuator line, One end without connector, M12, Number of poles : 4, 10 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4032248669899 |
| Qty. | 1 pc(s). |

Creation date August 16, 2020 12:21:49 AM CEST

Catalogue status 24.07.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight 345 g

Temperatures

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

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

| | | | |
|--|---------------------------|----------------------------------|----------------------|
| Number of poles | 4 | Core cross-section | 0.34 mm ² |
| Outside diameter | 4.9 mm ± 0.2 mm | Cable length | 10 m |
| Shielded | No | Insulation | PP |
| Colour coding | brown, white, blue, black | Sheath material | PUR |
| Sheathing colour | black | Halogen | No |
| Temperature range, moving | -30...105 °C | Temperature range, stationary | -40...105 °C |
| Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) | Suitable for cable carriers | Yes |
| Torsion resistance | 360 °/m | Bending radius, min., stationary | 4 x cable diameter |
| Bending radius, min., moving | 7.5 x cable diameter | Acceleration | 5 m/s ² |
| Speed | 200 m/min | Bending cycles | 10 Mio |
| Resistant to welding beads | Yes | Configurable cable length | No |

General technical data

| | | | |
|------------------------------|---|-----------------------|-------------------------|
| AF size | 12 mm | Version | Female socket, straight |
| Connection thread | M12 | Housing main material | PUR |
| Threaded ring material | Diecast zinc | Coding | A |
| Protection degree | IP65, IP66, IP67, IP68, when screwed in | Contact surface | Gold-plated |
| LED | No | Rated voltage | 250 V |
| Rated current | 4 A | Insulation strength | 10 ⁸ Ω |
| Temperature range of housing | -25...+80 °C | Tightening torque | M12: 0.8 - 1.2 Nm |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| jumpered | No | | |

Standards

Connector standard IEC 61076-2-101 Certificate no. (cULus) E307231

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
| eClass 9.0 | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |
| eClass 10.0 | 27-06-03-11 | UNSPSC | 30-21-18-01 |

Data sheet**SAIL-M12BG-4-10T**

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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

| | |
|-----------------------------|---|
| Brochure/Catalogue | FL FIELDWIRING EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| Product Change Notification | DE - Technische Änderung zu M12 Gewinding mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting |

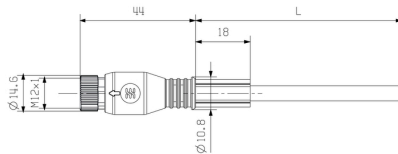
Data sheet

SAIL-M12BG-4-10T

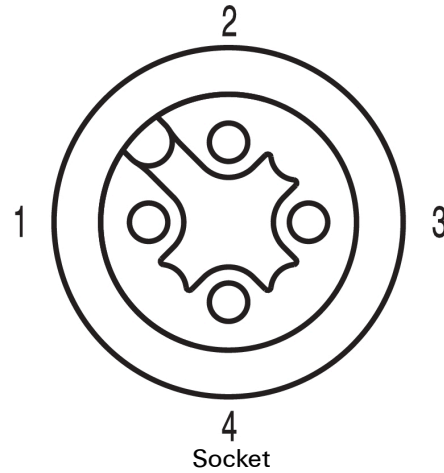
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Drawings

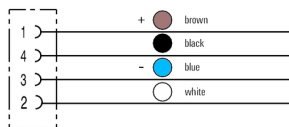
Dimensioned drawing



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