

SAIP-M12GM12SG-5-10U

Weidmüller Interface GmbH & Co. KG

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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.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

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

General ordering data

| | |
|------------|---|
| Type | SAIP-M12GM12SG-5-10U |
| Order No. | 2028151000 |
| Version | Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 5, 10 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| GTIN (EAN) | 4050118423488 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

Net weight 387 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

| | | | |
|--------------------------------------|---|--|----------------------------------|
| Number of poles | 5 | Core cross-section | 0.34 mm ² |
| Outside diameter | 5 ± 0.2 mm | Cable length | 10 m |
| Shielded | No | Insulation | PP |
| Colour coding | brown, white, blue, black, grey | Sheath material | PUR |
| Sheathing colour | black | Halogen | No |
| Temperature range, moving | -25...80 °C | Temperature range, stationary | -40...80 °C |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | 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 | 5 x cable diameter | Bending radius, min., moving | 10 x cable diameter |
| Acceleration | 5 m/s ² | Speed | 5 m/s |
| Bending cycles | 2 Mio | Resistant to welding beads | No |
| Hybrid cable | No | Irradiation crosslinked | No |
| Configurable cable length | No | Hydrolysis and microbe resistant | Yes |
| LABS-free | Yes | Resistance to oils | in accordance with IEC 60811:404 |
| Resistance to spread of flame | in accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2 | | |

General technical data

| | | | |
|--------------------------|-------------------|------------------------------|---|
| Connection thread | M12 / M12 | Housing main material | PUR |
| Threaded ring material | Plastic | Protection degree | IP65, IP66, IP67, IP68, when screwed in |
| Contact surface | Gold-plated | LED | No |
| Rated voltage | 125 V | Rated current | 4 A |
| Insulation strength | 10 ⁸ Ω | Temperature range of housing | -25...+85 °C |
| Plugging cycles jumpered | ≥ 100 | Pollution severity | 3 |

Standards

Connector standard IEC 61076-2-101

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 6.0 | EC001855 | eClass 6.2 | 27-06-91-90 |
| eClass 9.0 | 27-06-03-11 | eClass 9.1 | 27-06-03-11 |

Approvals

ROHS Conform

Creation date May 27, 2019 5:19:58 PM CEST

Data sheet

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Technical data

Downloads

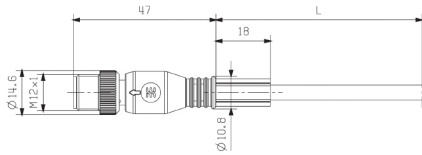
Brochure/Catalogue [FL FIELDWIRING EN](#)

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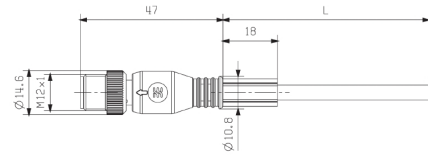
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Drawings

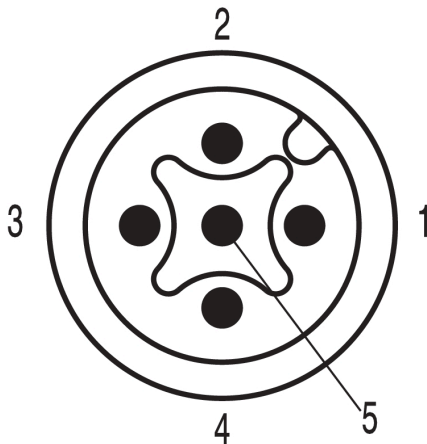
Dimensioned drawing



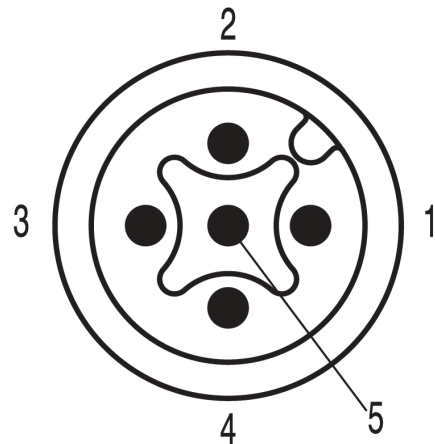
Dimensioned drawing



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