

SAIL-M12W-5S3.0U

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.

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, M12, Number of poles : 5, 3 m, pin, 90°, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1906520300 |
| Type | SAIL-M12W-5S3.0U |
| GTIN (EAN) | 4032248529964 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | |
|------------|-------|
| Net weight | 159 g |
|------------|-------|

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Technical specifications for cable

| | | |
|--|----------------------------------|--------|
| Acceleration | 5 m/s ² | |
| Bending cycles | 2 Mio | |
| Bending radius, min., moving | 10 x cable diameter | |
| Bending radius, min., stationary | 5 x cable diameter | |
| Cable length | 3 m | |
| Colour coding | blue, white, brown, grey, black | |
| Configurable cable length | No | |
| Core cross-section | 0.34 mm ² | |
| Core in accordance with UL AWM style | 10493 (80 °C / 300 V) | |
| Halogen | No | |
| Housing main material | PUR | |
| Hydrolysis and microbe resistant | Yes | |
| Insulation | PP | |
| LABS-free | Yes | |
| Number of poles | 5 | |
| Number of poles | 5 | |
| Outer cladding in accordance with UL AWM style | 20233 (80 °C / 300 V) | |
| Outer diameter | 5.7 ± 0.2 mm | |
| Outside diameter | Diameter | 5.7 mm |
| | Signs | ± |
| | Tolerance | 0.2 mm |
| Outside diameter | 5.7 mm ± 0.2 mm | |
| Resistance to oils | in accordance with IEC 60811:404 | |
| Resistance to spread of flame | According to UL2556 FT2 | |
| Resistant to welding beads | No | |
| Sheath material | PUR | |
| Sheathing colour | black | |
| Shielded | Yes | |
| Speed | 200 m/min | |
| Suitable for cable carriers | Yes | |
| Temperature range, moving | -25...80 °C | |
| Temperature range, moving, max. | 80 °C | |
| Temperature range, moving, min. | -25 °C | |
| Temperature range, stationary | -40...80 °C | |
| Temperature range, stationary, max. | 80 °C | |
| Temperature range, stationary, min. | -40 °C | |
| Torsion resistance | 0 °/m | |

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Technical data**General technical data**

| | | | |
|------------------------|--|------------------------------|-------------------|
| Coding | A | Connection thread | M12 |
| 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 | 125 V | Temperature range of housing | -25...+80 °C |
| Threaded ring material | Diecast zinc | Tightening torque | M12: 0.8 - 1.2 Nm |
| Version | pin, 90° | jumpered | No |

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 | ECLASS 11.0 | 27-06-03-11 |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E307231 |

Downloads

| | |
|------------------|-----------------------------|
| Engineering Data | STEP |
| Engineering Data | EPLAN_WSCAD |

Data sheet

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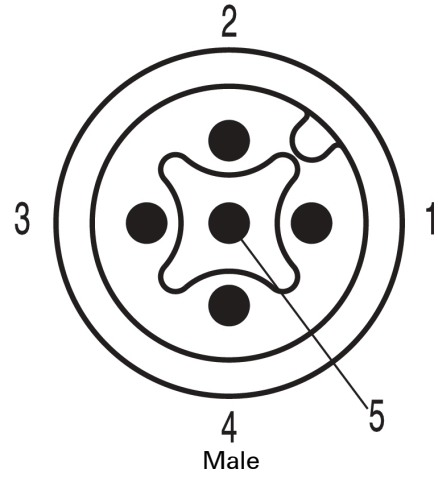
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Drawings

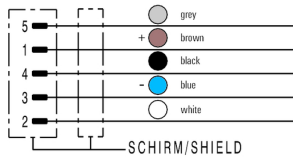
Dimensioned drawing



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