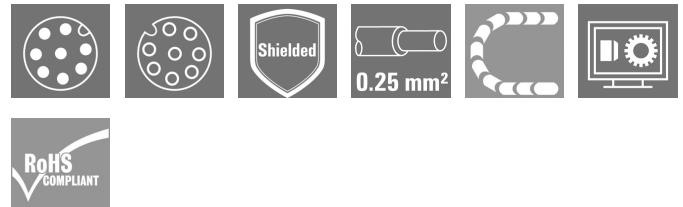


SAIL-M12GM12G-8S5.0U**Weidmüller Interface GmbH & Co. KG**

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, Connecting line, M12 / M12, Number of poles : 8, 5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 1279460500 |
| Type | SAIL-M12GM12G-8S5.0U |
| GTIN (EAN) | 4050118076813 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | |
|------------|-------|
| Net weight | 303 g |
|------------|-------|

Technical specifications for cable

| | | | |
|--|-----------------------|----------------------------------|--|
| Acceleration | 5 m/s ² | Bending cycles | 1 mill. |
| Bending radius, min., moving | 12 x cable diameter | Bending radius, min., stationary | 5 x cable diameter |
| Cable length | 5 m | Colour coding | blue, red, white, brown, green, yellow, grey, pink |
| Configurable cable length | No | Core cross-section | 0.25 mm ² |
| Halogen | No | Insulation | PP |
| Irradiation crosslinked | No | Number of poles | 8 |
| Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) | Outside diameter | 6.3 mm ± 0.2 mm |
| 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 | 360 °/m | Welding spark resistance | No |

General technical data

| | | | |
|------------------------------|-------------------|------------------------|-----------------------------------|
| AF size | 13 mm | Coding | A-coded |
| Connection thread | M12 / M12 | Contact surface | Gold-plated |
| Housing main material | PUR | Insulation strength | 10 ⁸ Ω |
| LED | No | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | Protection degree | IP67, when screwed in, IP65, IP66 |
| Rated current | 2 A | Rated voltage | 30 V |
| Temperature range of housing | -40 ... +85 °C | Threaded ring material | Brass, nickel-plated |
| Tightening torque | M12: 0.8 - 1.2 Nm | Version | pin, straight - socket, straight |
| jumpered | No | | |

Electrical properties

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

General standards

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

Standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-101 |
|--------------------|-----------------|

Plug, left

| | |
|-----------|---|
| Plug left | M12, A-coded, IP67, male contact, straight, Plastic, shielded |
|-----------|---|

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Technical data

Plug, right

| | | | |
|-----------------------|---|--------------------------|-----------|
| Contact material, pin | CuZn35PB2 | Contact material, socket | CuZn35PB2 |
| Contact surface | Gold-plated | Housing main material | PUR |
| Plug right | M12, A-coded, IP67, female contact, straight, Plastic, shielded | Plugging cycles | ≥ 100 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| 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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

Approvals

Approvals



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

Downloads

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

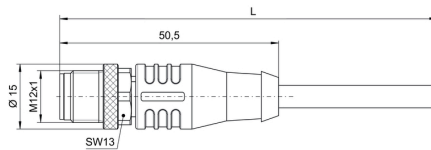
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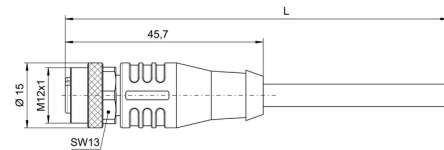
www.weidmueller.com

Drawings

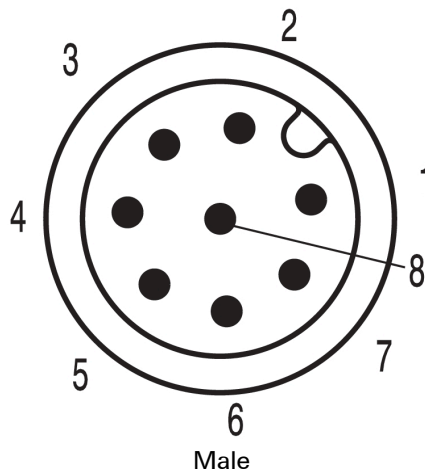
Dimensioned drawing



Dimensioned drawing

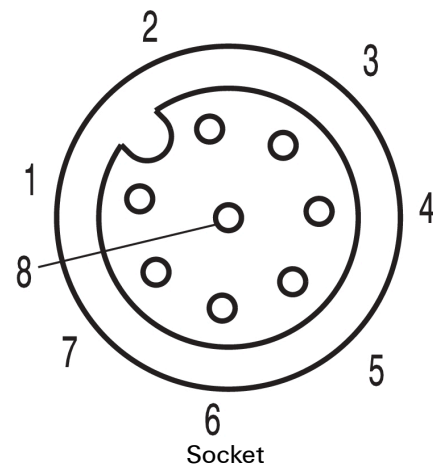


Pole scheme

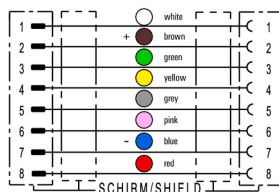


Straight socket

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