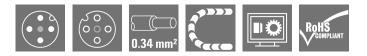


Weidmüller Interface GmbH & Co. KG

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.

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

| Version | Sensor/actuator line, Connecting line, M12 / | |
|------------|---|--|
| | M12, Number of poles : 4, 5 m, pin, straight - | |
| | socket, straight, Shielded: No, LED: No, Sheath | |
| | material: PUR, Halogen: No | |
| Order No. | <u>1108840500</u> | |
| Туре | SAIP-M12GM12G-4-5.0U | |
| GTIN (EAN) | 4032248888078 | |
| Qty. | 1 pc(s). | |

Technical data



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| Net weight | 164 g | | |
|---|--|--|----------------------------------|
| Technical specifications for | cable | | |
| | | | |
| Acceleration | 5 m/s ² | Bending cycles | 12 Mio |
| Bending cycles at torsion | > 5 Mio. | Bending radius, min., moving | 10 x cable diameter |
| Bending radius, min., stationary | 5 x cable diameter | Cable length | 5 m |
| Colour coding | brown, white, blue, black | Configurable cable length | No |
| Core cross-section | 0.34 mm ² | Core in accordance with UL AWM style | |
| Halogen | No | Hydrolysis and microbe resistant | Yes |
| | PP | Irradiation crosslinked | No |
| LABS-free | Yes | Length of torsion | 1 m |
| Number of poles | 4 | Outer cladding in accordance with UL AWM style | 20549 (80 °C / 300 V) |
| Outside diameter | 4.7 mm ± 0.2 mm | Resistance to oils | in accordance with IEC 60811:404 |
| Resistance to spread of flame | In accordance with UL1581 UL / CUL FT2, in accordance with IEC | Resistant to welding beads | |
| | 60332-2-2 | | No |
| Sheath material | PUR | Sheathing colour | black |
| Shielded | No | Speed | 5 m/s |
| Suitable for cable carriers | Yes | Temperature range, moving | -2580 °C |
| Temperature range, stationary Welding spark resistance | -4080 °C No | Torsion resistance | 360 °/m |
| General technical data | | | |
| Coding | A | 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 | IP65, IP66, IP67, IP68, when screwed in | Rated current | 4 A |
| Rated voltage | 250 V | Temperature range of housing | -40 +85 ° C |
| Threaded ring material | Plastic | Tightening torque | M12 (plastic): 0.9 - 1.1 Nr |
| Version | pin, straight - socket, straight | jumpered | No |
| Electrical properties | | | |
| Insulation strength | 10 ⁸ Ω | Rated voltage | 250 V |
| General standards | | | |
| | | | |
| Certificate no. (cULus) | E307231 | Connector standard | IEC 61076-2-101 |
| Certificate no. (cULus) Standards | E307231 | Connector standard | IEC 61076-2-101 |



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Technical data

Classifications

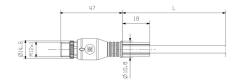
| ETIM 6.0 | EC001855 | ETIM 7.0 | EC001855 |
|----------------------|--------------------------------------|-------------|-------------|
| ETIM 8.0 | EC001855 | ECLASS 9.0 | 27-06-03-11 |
| ECLASS 9.1 | 27-06-03-11 | ECLASS 10.0 | 27-06-03-11 |
| ECLASS 11.0 | 27-06-03-11 | ECLASS 12.0 | 27-06-03-11 |
| Environmental Produc | t Compliance | | |
| | | | |
| REACH SVHC | Lead 7439-92-1 | | |
| SCIP | 1c533b66-fcff-4da5-b89f-fd55fbf5cb55 | | |

Approvals

| Approvals | |
|-----------------------------|--|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E307231 |
| Downloads | |
| Engineering Data | WSCAD |
| Product Change Notification | Technical change to M12 plastic nuts - EN Technical change to M12 plastic nuts - DE |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

Drawings

Dimensioned drawing



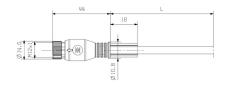


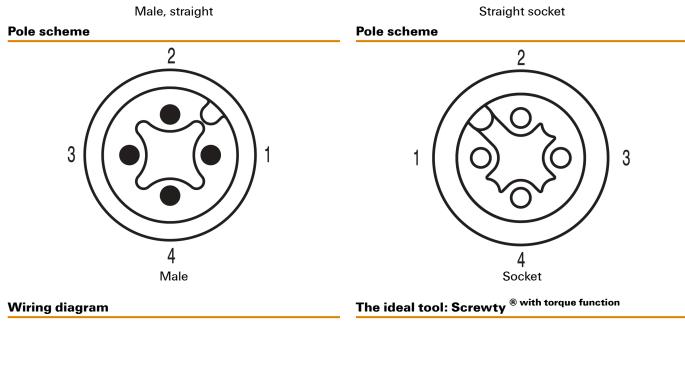
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Dimensioned drawing









Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

Creation date March 16, 2023 3:27:20 PM CET