

SAIL-M12GM12G-T-10H**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

General ordering data

| | |
|------------|--|
| Version | Power cable, Connecting line, M12 / M12, Number of poles : 4, 10 m, pin, straight - socket, straight, Shielded: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050871000 |
| Type | SAIL-M12GM12G-T-10H |
| GTIN (EAN) | 4050118442311 |
| Qty. | 1 pc(s). |

Creation date January 10, 2023 1:34:06 PM CET

Catalogue status 09.01.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight 500 g

Technical specifications for cable

| | | | |
|--|------------------------|----------------------------------|---------------------------|
| Acceleration | 5 m/s ² | Bending cycles | 10 Mio |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Cable length | 10 m | Colour coding | black, blue, white, brown |
| Configurable cable length | No | Core cross-section | 2.5 mm ² |
| Halogen | No | Insulation | PP |
| Irradiation crosslinked | No | Number of poles | 4 |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Outside diameter | 11 mm ± 0.4 mm |
| Resistant to welding beads | No | Sheath material | PUR |
| Sheathing colour | black | Shielded | No |
| Speed | 5 m/s | Suitable for cable carriers | Yes |
| Temperature range, moving | -40...90 °C | Temperature range, stationary | -50...90 °C |
| Welding spark resistance | No | | |

General technical data

| | | | |
|-----------------------|-----------------------|------------------------------|----------------------------------|
| AF size | 13 mm | Coding | T |
| Connection thread | M12 / M12 | Contact surface | Gold-plated |
| Housing main material | PUR | Insulation strength | 10 ⁸ Ω |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| Protection degree | IP67, when screwed in | Rated current | 12 A |
| Rated voltage | 63 V | Temperature range of housing | -40 ... +85 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm | Version | pin, straight - socket, straight |

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 63 V

General standards

Certificate no. (cULus) E310075 Connector standard IEC 61076-2-111

Standards

Connector standard IEC 61076-2-111

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 Product Compliance

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

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Technical data**Approvals**

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E310075 |

Downloads

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

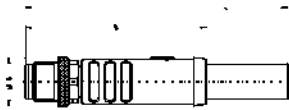
Data sheet

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Drawings

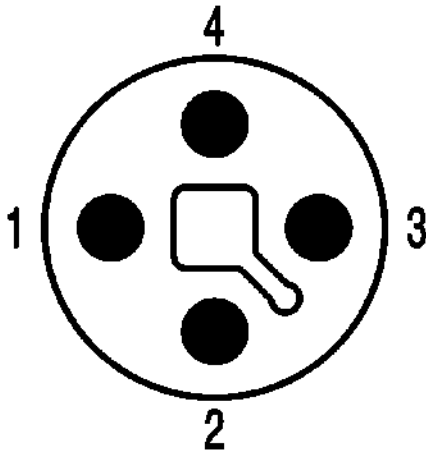
Dimensioned drawing



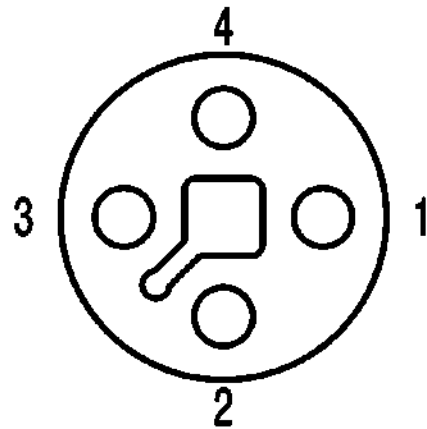
Dimensioned drawing



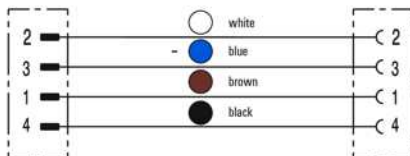
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

