

SAIL-M12BG-T-5.0H**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 A-, K-, L-, 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, One end without connector, M12, Number of poles : 4, 5 m, Female socket, straight, Shielded: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050680500 |
| Type | SAIL-M12BG-T-5.0H |
| GTIN (EAN) | 4050118441789 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | |
|------------|-------|
| Net weight | 300 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 | 5 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-coded |
| Connection thread | 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 | Female socket, straight |

Electrical properties

| | | | |
|---------------------|-------------------|---------------|------|
| Insulation strength | 10 ⁸ Ω | Rated voltage | 63 V |
|---------------------|-------------------|---------------|------|

General standards

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

Standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 61076-2-111 |
|--------------------|-----------------|

Plug, left

| | |
|-----------|---|
| Plug left | M12, T-coded, IP67, female contact, straight, Plastic, unshielded |
|-----------|---|

Plug, right

| | | | |
|-----------------|--------------------|-----------------------|-------|
| Contact surface | Gold-plated | Housing main material | PUR |
| Plug right | free conductor end | Plugging cycles | ≥ 100 |

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www.weidmueller.com**Technical data****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) | E310075 |

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN |

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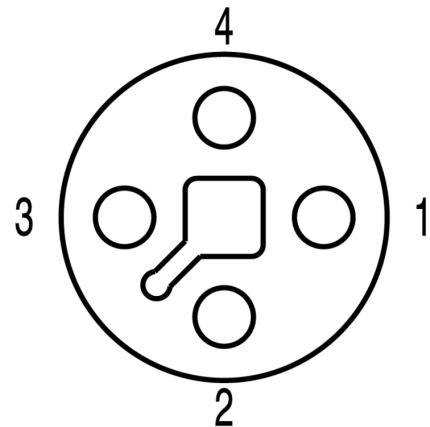
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Drawings

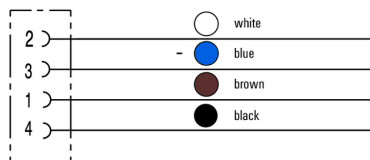
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

