

SAIL-M12BG-S-2.5P**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 (3 + PE), 2.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050160250 |
| Type | SAIL-M12BG-S-2.5P |
| GTIN (EAN) | 4050118747317 |
| Qty. | 1 pc(s). |

Creation date April 28, 2024 10:48:16 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | |
|------------|--------|
| Net weight | 0.01 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 | 2.5 m | Colour coding | grey, black, brown, Green/yellow |
| Configurable cable length | No | Core cross-section | 1.5 mm ² |
| Halogen | No | Insulation | PP |
| Irradiation crosslinked | No | Number of poles | 4 (3 + PE) |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Outside diameter | 9.6 mm ± 0.3 mm |
| PE function | Yes | 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...80 °C |
| Temperature range, stationary | -50...80 °C | Welding spark resistance | No |

General technical data

| | | | |
|------------------------------|-------------------------|---------------------|-----------------------|
| AF size | 13 mm | Coding | S-coded |
| 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 | IP67, when screwed in |
| Rated current | 12 A | Rated voltage | 600 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 | 600 V |
|---------------------|-------------------|---------------|-------|

General standards

| | |
|-------------------------|---------|
| Certificate no. (cULus) | E310075 |
|-------------------------|---------|

Plug, left

| | |
|-----------|---|
| Plug left | M12, S-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 |

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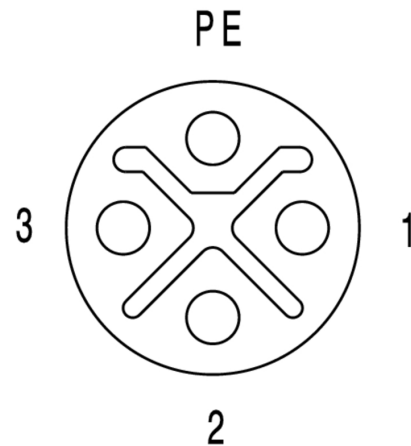
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Drawings

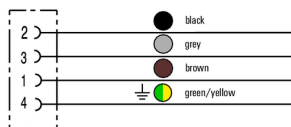
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

