

SAIL-M12GM12W-T-1.5P**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, Connecting line, M12 / M12, Number of poles : 4, 1.5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2050830150 |
| Type | SAIL-M12GM12W-T-1.5P |
| GTIN (EAN) | 4050118442267 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | |
|------------|-------|
| Net weight | 100 g |
|------------|-------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e8d8af70-4c85-4483-bc8c-9bc5b598e2a9 |

Technical specifications for cable

| | | | |
|--|------------------------|----------------------------------|---------------------------|
| Cable length | 1.5 m | Sheathing colour | black |
| Suitable for cable carriers | Yes | Core cross-section | 1.5 mm ² |
| Shielded | No | Halogen | No |
| Insulation | PP | Acceleration | 5 m/s ² |
| Bending radius, min., moving | 7.5 x cable diameter | Bending radius, min., stationary | 4 x cable diameter |
| Bending cycles | 10 Mio | Speed | 5 m/s |
| Sheath material | PUR | Configurable cable length | No |
| Outer cladding in accordance with UL AWM style | 20234 (80 °C / 1000 V) | Irradiation crosslinked | No |
| Welding spark resistance | No | Colour coding | black, blue, white, brown |
| Temperature range, stationary | -50...90 °C | Resistant to welding beads | No |
| Temperature range, moving | -40...90 °C | Number of poles | 4 |
| Outside diameter | 9.6 mm ± 0.3 mm | | |

General technical data

| | | | |
|-----------------------|------------------------------|------------------------------|----------------|
| Coding | T-coded | Connection thread | M12 / M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight - socket, 90°; | Housing main material | PUR |
| Insulation resistance | 108 Ω | Nominal voltage | 63 V |
| Nominal current | 12 A | AF size | 13 mm |
| Protection degree | IP67, when screwed in | Plugging cycles | ≥ 100 |
| Pollution severity | 3 | Temperature range of housing | -40 ... +85 °C |
| Tightening torque | M12: 1.0 Nm | | |

Electrical properties

| | | | |
|-----------------------|-------|-----------------|------|
| Insulation resistance | 108 Ω | Nominal voltage | 63 V |
|-----------------------|-------|-----------------|------|

General standards

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

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Standards

Connector standard IEC 61076-2-111

Plug, left

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

Plug, right

Plug right M12, T-coded, IP67, female contact, angled 90°, Plastic, unshielded

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001855 | ETIM 9.0 | EC001855 |
| ETIM 10.0 | EC001855 | ECLASS 14.0 | 27-06-03-11 |
| ECLASS 15.0 | 27-06-03-11 | | |

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Drawings

Dimensioned drawing



Dimensioned drawing



Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

