

SAIL-M12GM12W-K-3.0P**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 : 5 (4 + PE), 3 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No |
| Order No. | 2455270300 |
| Type | SAIL-M12GM12W-K-3.0P |
| GTIN (EAN) | 4050118470338 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E257571

Dimensions and weights

Net weight 200 g

Environmental Product Compliance

RoHS Compliance Status Compliant

REACH SVHC Lead 7439-92-1

SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

| | | | |
|----------------------------------|----------------------------------------------------------|------------------------------------------------|-----------------------|
| Cable length | 3 m | Sheathing colour | black |
| PE function | Yes | 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 | 20939 (80 °C / 600 V) |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | Green/yellow, black (1), black (2), black (3), black (4) | Temperature range, stationary | -40...80 °C |
| Resistant to welding beads | No | Temperature range, moving | -30...80 °C |
| Number of poles | 5 (4 + PE) | Outside diameter | 8 mm ± 0.2 mm |

General technical data

| | | | |
|-----------------------|-----------------------------|------------------------------|-----------------------------|
| Coding | K-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 | 600 V |
| Nominal current | 12 A | Protection degree | IP65, IP67, when screwed in |
| Plugging cycles | ≤ 100 | Pollution severity | 3 |
| jumpered | No | Temperature range of housing | -40 ... +85 °C |
| Tightening torque | M12: 0.8 - 1.2 Nm | | |

Electrical properties

Insulation resistance 108 Ω Nominal voltage 600 V

General standards

Connector standard IEC 61076-2-111 Certificate no. (cULus) E257571

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Standards

Connector standard IEC 61076-2-111

Plug, left

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

Plug, right

Plug right M12, K-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

