

**SAIL-M12GM12G-K-10P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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), 10 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2455251000</a>
Type	SAIL-M12GM12G-K-10P
GTIN (EAN)	4050118470277
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 500 g

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption  
RoHS Exemption (if applicable/known) 6c  
REACH SVHC Lead 7439-92-1  
SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

## Technical specifications for cable

Cable length	10 m	Sheathing colour	black
PE function	Yes	Suitable for cable carriers	Yes
Core cross-section	1.5 mm <sup>2</sup>	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s <sup>2</sup>	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, straight	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 jumpered	≤ 100	Pollution severity	3
Tightening torque	M12: 0.8 - 1.2 Nm	Temperature range of housing	-40 ... +85 °C

## Electrical properties

Insulation resistance 108 Ω      Nominal voltage 600 V

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**Technical data**

**General standards**

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

Connector standard	IEC 61076-2-111
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**Plug, left**

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

Plug right	M12, K-coded, IP67, female contact, straight, Plastic, unshielded
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**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**

