

SAIL-M12GM12G-K-5.0P**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), 5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455250500
Type	SAIL-M12GM12G-K-5.0P
GTIN (EAN)	4050118470260
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	300 g
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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	5 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, 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	≤ 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
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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

