

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 pc(s).

Creation date December 4, 2023 1:15:28 PM CET

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Technical data**Dimensions and weights**

Net weight	300 g
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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		Colour coding	Green/yellow, black (1), black (2), black (3), black (4)
	5 m	Core cross-section	1.5 mm ²
Configurable cable length	No	Insulation	PP
Halogen	No	Number of poles	5 (4 + PE)
Irradiation crosslinked	No	Outside diameter	8 mm ± 0.2 mm
Outer cladding in accordance with UL AWM style	20939 (80 °C / 600 V)	Resistant to welding beads	No
PE function	Yes	Sheathing colour	black
Sheath material	PUR	Speed	5 m/s
Shielded	No	Temperature range, moving	-30...80 °C
Suitable for cable carriers	Yes	Welding spark resistance	No
Temperature range, stationary	-40...80 °C		

General technical data

Coding	K-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≤ 100	Pollution severity	3
Protection degree	IP65, 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	pin, straight - socket, straight
jumpered	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	600 V
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General standards

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

Connector standard	IEC 61076-2-111
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Technical data**Plug**

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	K-coded
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
	Cable side	right
	Version of contact face	M12
	Coding of plug	K-coded
	Protection degree (IP)	IP67
	Gender of contact	female contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
Plug left	M12, K-coded, IP67, male contact, straight, Plastic, unshielded	
Plug right	M12, K-coded, IP67, female contact, straight, Plastic, unshielded	

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	27060311

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E257571

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

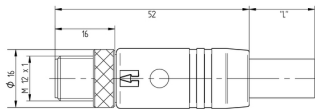
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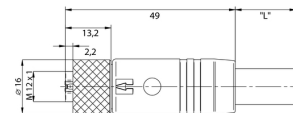
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Drawings

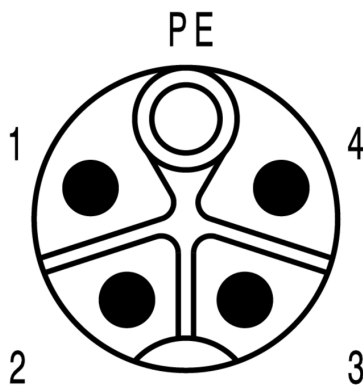
Dimensioned drawing



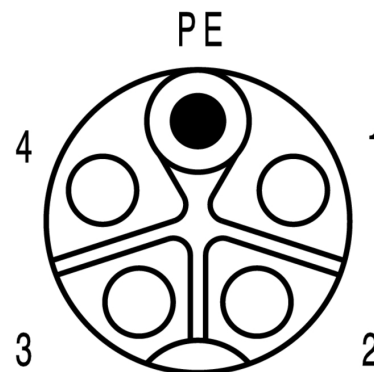
Dimensioned drawing



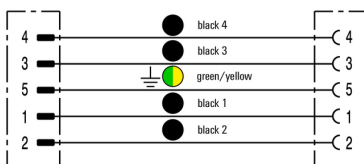
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

