SAIL-M12GM12G-S-1.0P

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 : 4 (3 + PE), 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2050270100
Type	SAIL-M12GM12G-S-1.0P
GTIN (EAN)	4050118747188
Qty.	1 pc(s).

Creation date December 1, 2023 3:32:04 PM CET

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Technical data

Dimensions and weights

Net weight	154 g

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	1 m	Colour coding	grey, black, brown, Green/ yellow
Configurable cable length	No	Core cross-section	1.5 mm²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4 (3 + PE)
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Outside diameter	9.6 mm ± 0.3 mm
PE function	Yes	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	5 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-40...80 °C
Temperature range, stationary	-50...80 °C	Welding spark resistance	No

General technical data

AF size	13 mm	Coding	S-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	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		

Electrical properties

Insulation strength	10^8 Ω	Rated voltage	600 V

General standards

Certificate no. (cULus)	E310075

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Technical data

Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	S-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	S-coded
	Protection degree (IP)	IP67
	Gender of contact	female contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
Plug left	M12, S-coded, IP67, male contact, straight, Plastic, unshielded	
Plug right	M12, S-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
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

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

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

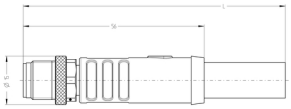
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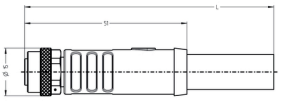
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Drawings

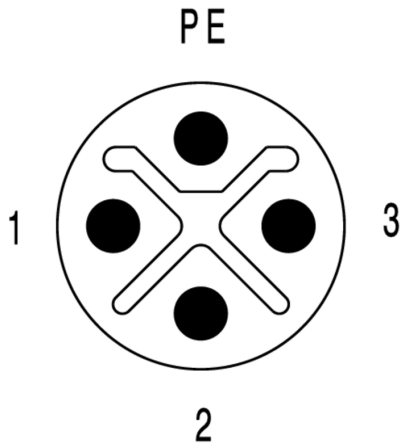
Dimensioned drawing



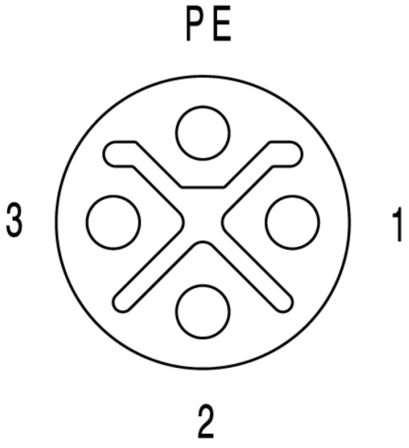
Dimensioned drawing



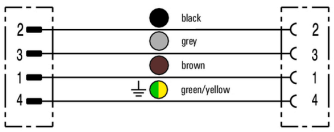
Pole scheme



Pole scheme



Wiring diagram



The ideal tool: Screwty ® with torque function

