

**SAIL-M12GM12G-S-2.5P****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), 2.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2050270250</a>
Type	SAIL-M12GM12G-S-2.5P
GTIN (EAN)	4050118747195
Qty.	1 pc(s).

Creation date December 1, 2023 12:31:52 PM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Net weight 171 g

**Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	2.5 m	Colour coding	grey, black, brown, Green/ yellow
Configurable cable length	No	Core cross-section	1.5 mm <sup>2</sup>
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 <sup>8</sup> 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<sup>8</sup> 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	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

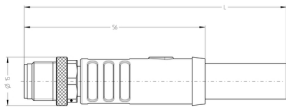
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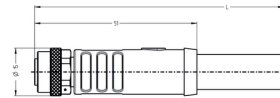
www.weidmueller.com

**Drawings**

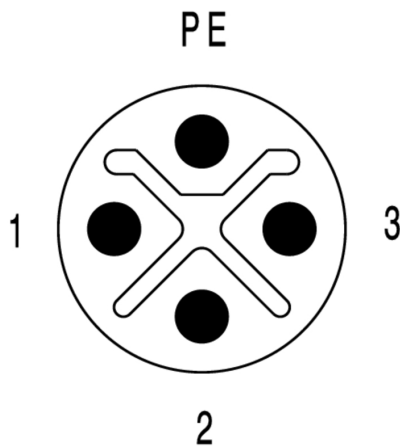
**Dimensioned drawing**



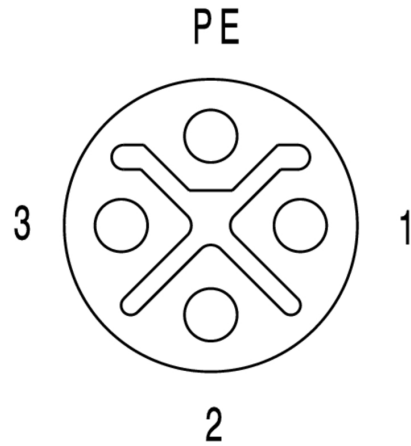
**Dimensioned drawing**



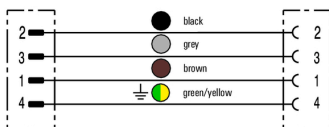
**Pole scheme**



**Pole scheme**



**Wiring diagram**



**The ideal tool: Screwty® with torque function**

