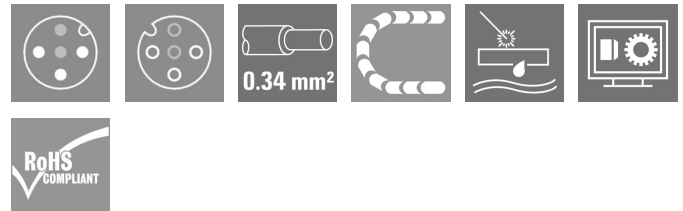


SAIL-M12GM12G-3-1.5T**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 1.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1021710150
Type	SAIL-M12GM12G-3-1.5T
GTIN (EAN)	4032248735297
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	67 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	1.5 m	Colour coding	brown, blue, black
Configurable cable length	Yes	Core cross-section	0.34 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	3
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Outside diameter	4.9 mm ± 0.2 mm
Resistant to welding beads	Yes	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	200 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-30...105 °C	Temperature range, stationary	-40...105 °C
Torsion resistance	360 °/m	Welding spark resistance	Yes

General technical data

AF size	12 mm	Coding	A-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, IP66, IP67, IP68, IP69, when screwed in
Rated current	4 A	Rated voltage	250 V
Shock and vibration proof according to	Section B	Temperature range of housing	-25...+85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	250 V
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General standards

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101
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Standards

Connector standard	IEC 61076-2-101	Shock and vibration proof according to	Section B
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Plug, left

Plug left	M12, A-coded, IP69, male contact, straight, Plastic, unshielded
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Plug, right

Plug right	M12, A-coded, IP69, female contact, straight, Plastic, unshielded
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Creation date June 17, 2024 11:51:30 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****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	27-06-03-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Product Change Notification	DE - Technische Änderung zu M12 Gewinding mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings

Dimensioned drawing



Male, straight

Pole scheme



Dimensioned drawing



Straight socket

Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F