

SAIL-M12GM12G-3-1.6T

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, 1.6 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1021710160
Type	SAIL-M12GM12G-3-1.6T
GTIN (EAN)	4050118623130
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Net weight 70 g

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

General technical data

Coding	A-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	250 V
Nominal current	4 A	Protection degree	IP67, IP68, when fully mounted, IP65, IP66
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Diecast zinc
Temperature range of housing	-25...+85 °C	Shock and vibration proof according to	Section B
Tightening torque	M12: 0.8 - 1.2 Nm		

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	250 V
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Standards

Shock and vibration proof according to Section B

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Technical data**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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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



Male, straight

Dimensioned drawing



Straight socket

Pole scheme



4
Male

Pole scheme



4
Socket

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Drawings

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