

## SAIL-M12GM12G-3-8.3T

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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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

Type	SAIL-M12GM12G-3-8.3T
Order No.	<a href="#">1021710830</a>
Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 3, 8.3 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118626780
Qty.	1 pc(s).

Creation date May 1, 2020 7:06:18 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

Net weight 200 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

Number of poles	3	Core cross-section	0.34 mm <sup>2</sup>
Outside diameter	4.9 mm ± 0.2 mm	Cable length	8.3 m
Shielded	No	Insulation	PP
Colour coding	brown, blue, black	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-30...105 °C	Temperature range, stationary	-40...105 °C
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Suitable for cable carriers	Yes
Torsion resistance	360 °/m	Bending radius, min., stationary	4 x cable diameter
Bending radius, min., moving	7.5 x cable diameter	Acceleration	5 m/s <sup>2</sup>
Speed	200 m/min	Bending cycles	10 Mio
Resistant to welding beads	Yes	Configurable cable length	No

**General technical data**

AF size	12 mm	Connection thread	M12 / M12
Housing main material	PUR	Threaded ring material	Diecast zinc
Coding	A	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Contact surface	Gold-plated	LED	No
Rated voltage	250 V	Rated current	4 A
Insulation strength	10 <sup>8</sup> Ω	Temperature range of housing	-25...+80 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11
eClass 10.0	27-06-03-11		

**Approvals**

ROHS Conform

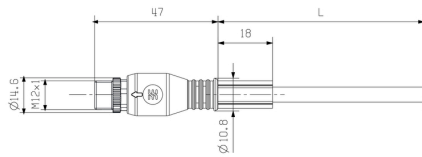
**Data sheet**

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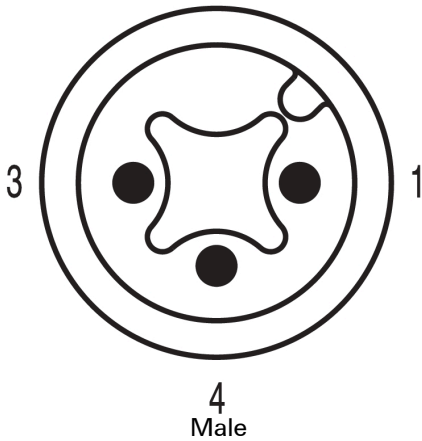
**Drawings**

**Dimensioned drawing**



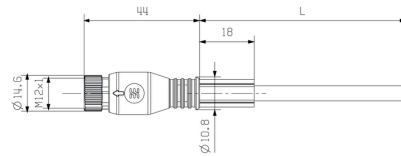
Male, straight

**Pole scheme**



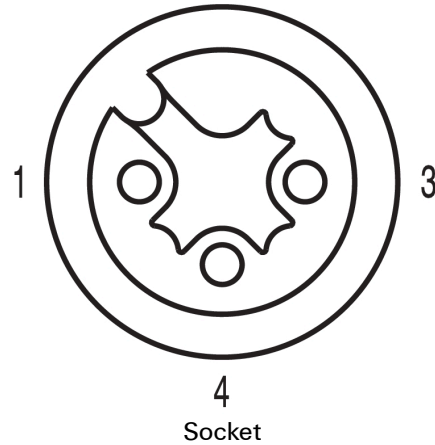
4  
Male

**Dimensioned drawing**



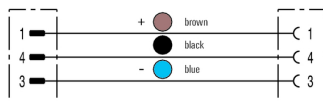
Straight socket

**Pole scheme**



4  
Socket

**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