

## SAIL-M12GM12G-12S4.0U

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.

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

### General ordering data

Version	Sensor/actuator line, M12, Number of poles : 12, 4 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2555170400</a>
Type	SAIL-M12GM12G-12S4.0U
GTIN (EAN)	4050118565416
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Net weight 230 g

### Technical specifications for cable

Acceleration	5 m/s <sup>2</sup>	Bending cycles	1 mill.
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length		Colour coding	black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue
	4 m	Core cross-section	0.14 mm <sup>2</sup>
Configurable cable length	No	Halogen	No
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Irradiation crosslinked	No
Insulation	PP	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Number of poles	12	Sheathing colour	black
Sheath material	PUR	Speed	100 m/s
Shielded	Yes	Temperature range, moving	-30...90 °C
Suitable for cable carriers	Yes	Torsion resistance	0 °/m
Temperature range, stationary	-40...90 °C		

### General technical data

AF size	13 mm	Coding	A-coded
Connection thread	M12	Contact surface	Gold-plated
Housing main material	TPU	Insulation strength	10 <sup>8</sup> Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP67, when screwed in, IP65, IP66
Rated current	1.5 A	Rated voltage	30 V
Temperature range of housing	-40 ... +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<sup>8</sup> Ω      Rated voltage 30 V

### General standards

Certificate no. (cULus) E307231

### Plug, left

Plug left M12, A-coded, IP67, male contact, straight, Plastic, shielded

### Plug, right

Plug right M12, A-coded, IP67, female contact, straight, Plastic, shielded

**Data sheet**

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**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	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

**Approvals**

Approvals



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

**Downloads**

Catalogues	<a href="#">Catalogues in PDF-format</a>
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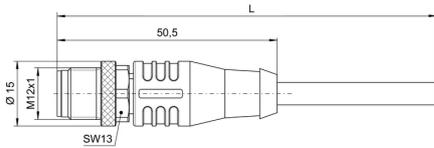
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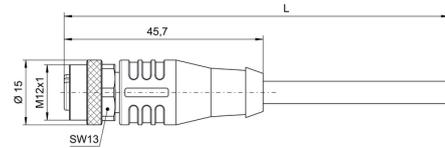
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**Drawings**

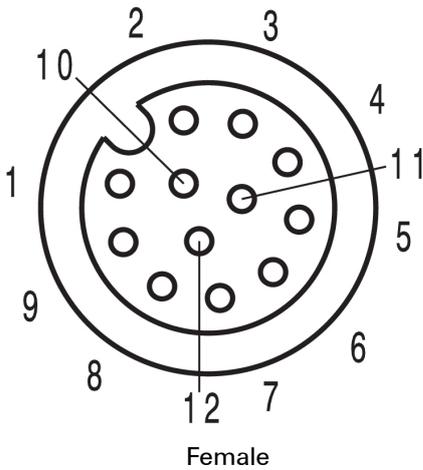
**Dimensioned drawing**



**Dimensioned drawing**

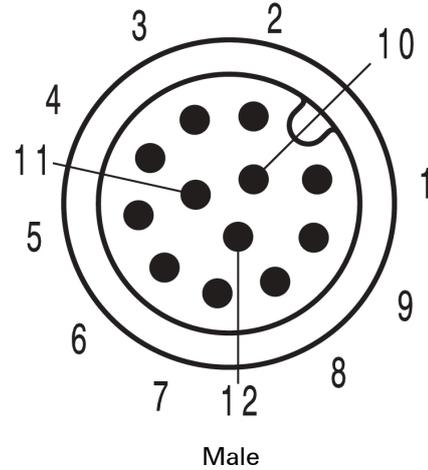


**Pole scheme**

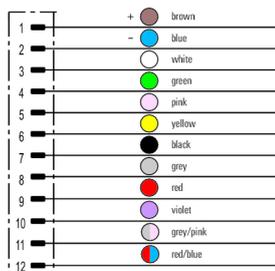


**Straight socket**

**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