

SAIL-M12GM12G-12-2.5U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

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 : 12, 2.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1964400250
Type	SAIL-M12GM12G-12-2.5U
GTIN (EAN)	4050118797602
Qty.	1 items

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Technical data**Approvals**

Approvals



ROHS Conform

Dimensions and weights

Net weight 75 g

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

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

Technical specifications for cable

Cable length	2.5 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.14 mm ²
Shielded	No	Halogen	No
Insulation	PP	Acceleration	5 m/s ²
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Bending cycles	1 mill.	Speed	5 m/s
Sheath material	PUR	Configurable cable length	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Temperature range, moving	-25...80 °C	Number of poles	12
Outside diameter	5.6 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
Nominal voltage	30 V	Nominal current	1.5 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Pollution severity	3	jumpered	No
Threaded ring material	Brass, nickel-plated	Temperature range of housing	-40 ... +85 °C
Shock and vibration proof according to	Section B	Tightening torque	M12: 1.0 Nm

Electrical properties

Nominal voltage	30 V	Rated current	1.5 A
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Shock and vibration proof according to Section B

Plug, left

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

Plug, right

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

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		

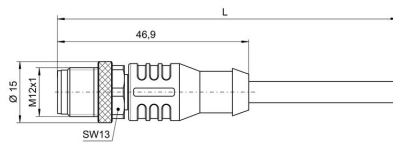
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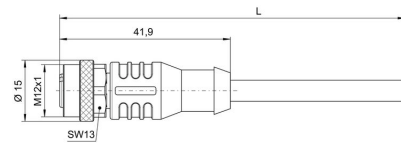
Drawings

Dimensioned drawing



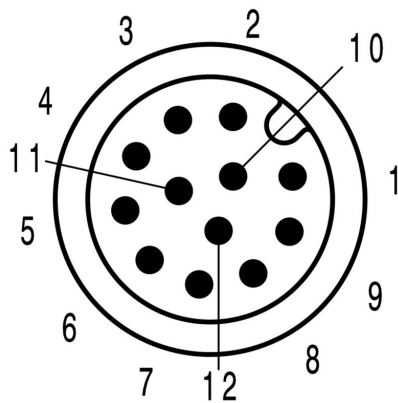
Male, straight

Dimensioned drawing



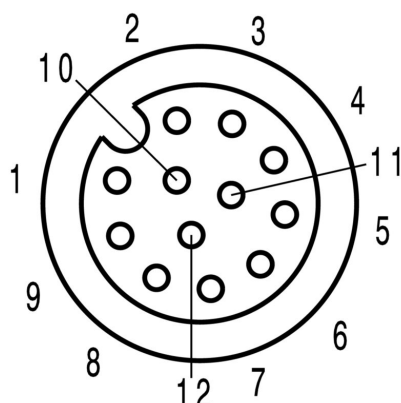
Straight socket

Pole scheme



Male

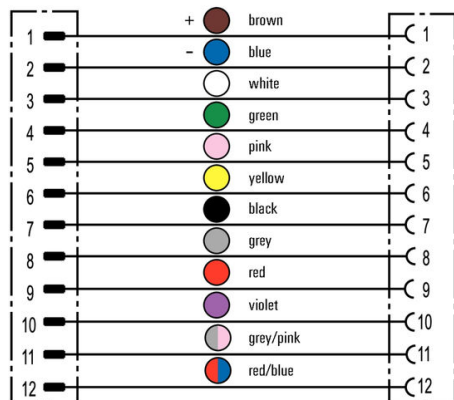
Pole scheme



Socket

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