

SAIL-M12WM12G-8-2.0U

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 : 8, 2 m, pin, angled - bush straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1937470200
Type	SAIL-M12WM12G-8-2.0U
GTIN (EAN)	4032248608614
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Net weight 99.44 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 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.25 mm ²
Number of wires	8	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.
Resistance to spread of flame	in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	No
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)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	white, brown, green, yellow, grey, pink, blue, red
Torsion resistance	180 °/m	Temperature range, stationary	-40...90 °C
Resistant to welding beads	No	Temperature range, moving	-30...90 °C
Number of poles	8	Outside diameter	5.9 mm ± 0.2 mm

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, angled - bush straight	Housing main material	TPU
Insulation resistance	108 Ω	Contact material	CuZn
Nominal voltage	30 V	Nominal current	2 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles jumpered	≥ 100	Pollution severity	3
Temperature range of housing	-25...+85 °C	Threaded ring material	Brass, nickel-plated
		Tightening torque	M12: 1.0 Nm

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 V
Rated current	2 A (8-pole) / 1.5 A (12-pole)		

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Technical data

General standards

Connector standard	IEC 61076-2-101
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Standards

Connector standard	IEC 61076-2-101
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Plug, left

Plug left	M12, A-coded, Number of poles: 8, male contact, angled 0°, plug, unshielded
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Plug, right

Plug right	M12, A-coded, Number of poles: 8, female contact, straight, plug, 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



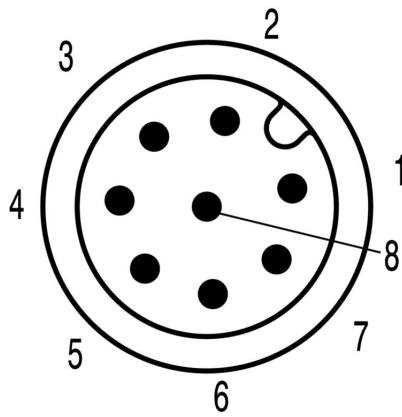
Male, angled

Dimensioned drawing



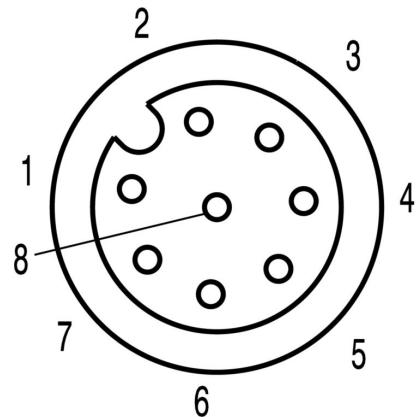
Straight socket

Pole scheme



Male

Pole scheme



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