

SAIL-M12GM12W-8S10U**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.

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, Connecting line, M12 / M12, Number of poles : 8, 10 m, pin, straight - socket, 90°, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1279471000
Type	SAIL-M12GM12W-8S10U
GTIN (EAN)	4050118076868
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight 565 g

Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

SCIP

e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	1 mill.
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	10 m	Colour coding	blue, red, white, brown, green, yellow, grey, pink
Configurable cable length	No	Core cross-section	0.25 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	8
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	6.3 mm ± 0.2 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	Yes
Speed	100 m/min	Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Torsion resistance	360 °/m	Welding spark resistance	No

General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in, IP65, IP66	Rated current	2 A
Rated voltage	30 V	Temperature range of housing	-40 ... +85 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, 90°	jumpered	No

Electrical propertiesInsulation strength 10⁸ Ω Rated voltage 30 V**General standards**

Certificate no. (cULus) E307231 Connector standard IEC 61076-2-101

Standards

Connector standard IEC 61076-2-101

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

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Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Approvals



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

Downloads

Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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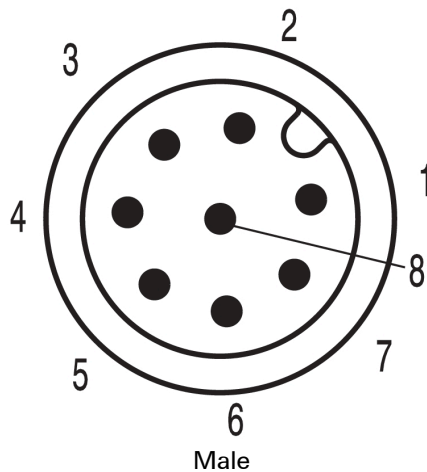
www.weidmueller.com

Drawings

Dimensioned drawing

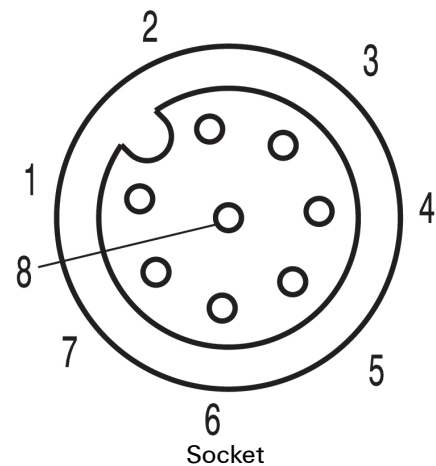
Dimensioned drawing

Pole scheme

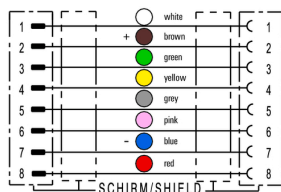


Angled socket

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