

SAIL-M12GM8G-4-9.4U**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 / M8, Number of poles : 4, 9.4 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9456660940
Type	SAIL-M12GM8G-4-9.4U
GTIN (EAN)	4050118627138
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	39 g
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	5 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	9.4 m
Colour coding	brown, white, blue, black	Configurable cable length	No
Core cross-section	0.25 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
LABS-free	Yes	Length of torsion	1 m
Number of poles	4	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Outside diameter	4.4 mm ± 0.2 mm	PE function	No
Resistance to oils		Resistance to spread of flame	In accordance with UL 1581 UL / CUL FT2, in accordance with IEC 60332-2-2
	Yes	Sheath material	PUR
Resistant to welding beads	No	Shielded	No
Sheathing colour	black	Suitable for cable carriers	Yes
Speed	200 m/min	Temperature range, stationary	-50...80 °C
Temperature range, moving	-25...80 °C	Welding spark resistance	No
Torsion resistance	360 °/m		

General technical data

AF size	12 mm	Coding	M12 = A-coded / M8 = none
Connection thread	M12 / M8	Contact material	CuZn35PB2
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, IP69, when screwed in	Rated current	4 A
Rated voltage	30 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Brass, nickel-plated, Diecast zinc	Version	pin, straight - socket, straight
jumpered	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	30 V
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General standards

Connector standard	IEC 61076-2-101, IEC 61076-2-104
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Standards

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www.weidmueller.com**Technical data****Plug, left**

Plug left	connector, M12, A-coded, Number of poles: 4, IP69, male contact, straight, un- shielded
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Plug, right

Plug right	connector, M8, Number of poles: 4, IP69, female con- tact, straight, unshielded
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Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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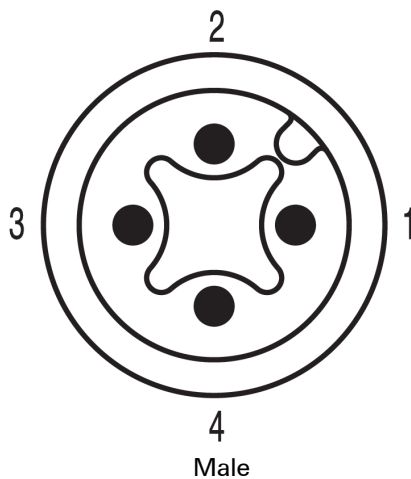
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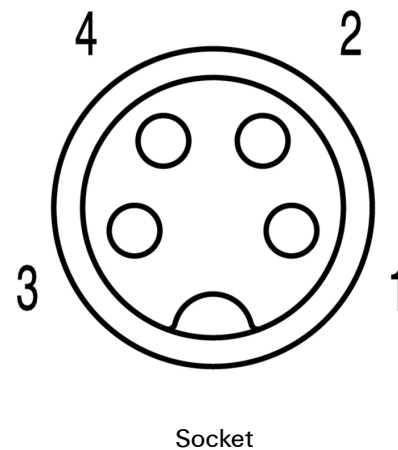
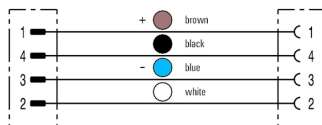
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Drawings
Dimensioned drawing
Dimensioned drawing

Male, straight

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