

SAIL-M12BG-4SA2.0U**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.

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, One end without connector, M12, Number of poles : 4, 2 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	3107900200
Type	SAIL-M12BG-4SA2.0U
GTIN (EAN)	4099987262651
Qty.	1 items

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Technical data**Dimensions and weights**

Net weight	100 g
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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

Technical specifications for cable

Cable length	2 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	PE function	No
Suitable for cable carriers	Yes	Core cross-section	0.34 mm ²
Shielded	Yes	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	2 Mio	Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2
Speed	200 m/min	Sheath material	PUR
Configurable cable length	No	LABS-free	Yes
Hydrolysis and microbe resistant	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	black, brown, white, blue
Torsion resistance	0 °/m	Temperature range, stationary	-40...80 °C
Resistant to welding beads	No	Temperature range, moving	-25...80 °C
Number of poles	4	Outside diameter	5.4 mm ± 0.2 mm

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	CuZn35PB2
Nominal voltage	250 V	Nominal current	4 A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Diecast zinc	Temperature range of housing	-25...+80 °C
Tightening torque	M12: 0.8 - 1.2 Nm		

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	250 V
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General standards

Connector standard	IEC 61076-2-101
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www.weidmueller.com**Technical data****Plug, left**

Plug left

connector, M12, A-coded,
Number of poles: 4, IP69,
female contact, straight,
unshielded**Plug, right**

Plug right

free conductor end

Important note

Product information

Shield not connected to plug head.

Classifications

ETIM 8.0

EC001855

ETIM 9.0

EC001855

ETIM 10.0

EC001855

ECLASS 14.0

27-06-03-11

ECLASS 15.0

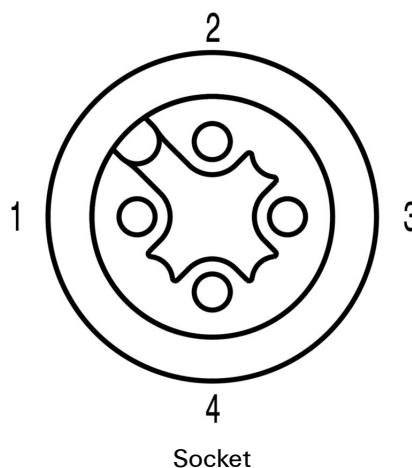
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Drawings

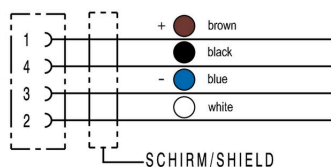
Dimensioned drawing



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

