

SAIL-M12BG-4S0.5T

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Similar to illustration



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, 0.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1283320050
Type	SAIL-M12BG-4S0.5T
GTIN (EAN)	4064675262268
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Net weight 32.56 g

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-fd555fbf5cb55

Technical specifications for cable

Cable length	0.5 m	Sheathing colour	black
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.34 mm ²	Shielded	Yes
Halogen	No	Insulation	PES
Acceleration	5 m/s ²	Bending radius, min., moving	7.5 x cable diameter
Bending cycles	10 Mio	Sheath material	PUR
Configurable cable length	No	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	Yes	Colour coding	brown, white, blue, black
Torsion resistance	360 °/m	Temperature range, stationary	-40... 120 °C
Resistant to welding beads	Yes	Temperature range, moving	-30... 120 °C
Number of poles	4		

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
AF size	12 mm	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Plugging cycles jumpered	≥ 100 No	Pollution severity	3
Temperature range of housing	-25...+85 °C	Threaded ring material	Diecast zinc

Electrical properties

Insulation resistance 108 Ω Nominal voltage 250 V

General standards

Connector standard IEC 61076-2-101

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Technical data

Standards

Connector standard	IEC 61076-2-101
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Plug, left

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

Plug right	free conductor end
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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



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

