Data sheet

SAIL-M12BG-4SA5.0U

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, 5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	3107900500
Type	SAIL-M12BG-4SA5.0U
GTIN (EAN)	4099987262668
Qty.	1 items

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Technical data

Dimensions and weights

Net weight	200 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-fd55fbf5cb55

Technical specifications for cable

Cable length	5 m	Sheathing colour	black
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.34 mm²	Number of wires	4
Shielded	Yes	Halogen	No
Insulation	PP	Cable Material	PUR halogen-free
Acceleration	5 m/s²	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 IEC 60332-1 / UL 1581 FT2, in accordance with IEC 60332-2-2	Speed	3 m/s
Sheath material	PUR	Cable length configurable	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)
Type is hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Drain wire integrated	No
Colour coding	brown, white, blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Bending cycles at torsion	> 1 Mio.	Temperature range, moving	-25...80 °C
Torsional length	1 m	Sheath material hygroscopic	No
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	109 Ω	Contact material	Copper alloy
Nominal voltage	250 V	Nominal current	4 A
AF size	12 mm	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
Threaded ring material	Diecast zinc	Temperature range of housing	-25...+80 °C
Tightening torque	M12: 0.8 - 1.2 Nm		

Electrical properties

Insulation resistance	109 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

Plug, left

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

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	27-06-03-11		

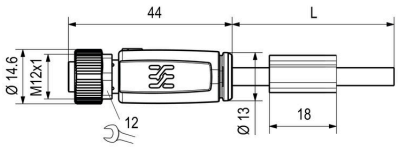
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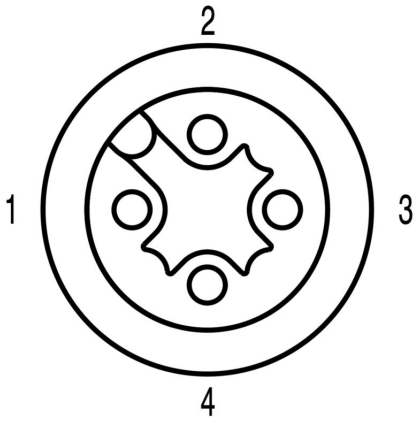
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Drawings

Dimensioned drawing

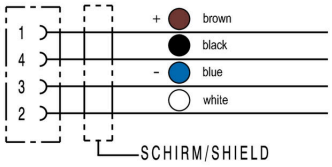


Pole scheme



Socket

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

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Drawings