

SAIL-M12BG-8S7.5U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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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

Type	SAIL-M12BG-8S7.5U
Order No.	1890520750
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 8, 7.5 m, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118629422
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	300 g
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Technical specifications for cable

Number of poles	8	Core cross-section	0.25 mm ²
Outside diameter	6.3 ± 0.2 mm	Cable length	7.5 m
Shielded	Yes	Insulation	PP
Colour coding	blue, red, white, brown, green, yellow, grey, pink	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Suitable for cable carriers	Yes
Torsion resistance	360 °/m	Bending radius, min., stationary	5 x cable diameter
Bending radius, min., moving	12 x cable diameter	Acceleration	5 m/s ²
Speed	100 m/min	Bending cycles	1 mill.
Resistant to welding beads	No	Hybrid cable	No
Irradiation crosslinked	No	Configurable cable length	No

General technical data

Connection thread	M12	Housing main material	PUR
Threaded ring material	Brass, nickel-plated	Coding	A
Protection degree	IP67, when screwed in	Contact surface	Gold-plated
LED	No	Rated voltage	30 V
Rated current	2 A	Insulation strength	10 ⁸ Ω
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No		

Classifications

ETIM 6.0	EC001855	eClass 6.2	27-27-92-18
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11

Approvals

ROHS	Conform
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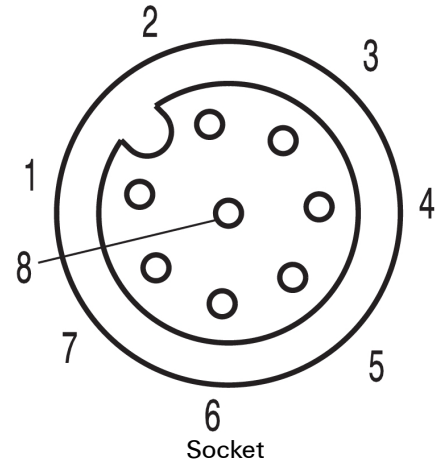
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Drawings

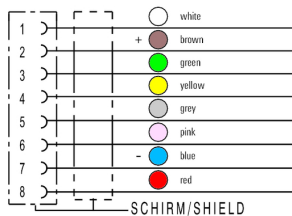
Dimensioned drawing

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