

**SAIL-M12BG-8S0.5U****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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-8S0.5U
Order No.	<a href="#">1890520050</a>
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 8, 0.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248605217
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Net weight	39 g
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**Temperatures**

Operating temperature range, max.	80 °C	Operating temperature range, min.	-5 °C
Operating temperature, max.	80 °C	Operating temperature, min.	-25 °C

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Technical specifications for cable**

Number of poles	8	Core cross-section	0.25 mm <sup>2</sup>
Outside diameter	6.3 mm ± 0.2 mm	Cable length	0.5 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 <sup>2</sup>
Speed	100 m/min	Bending cycles	1 mill.
Resistant to welding beads	No	Configurable cable length	No

**General technical data**

Version	Female socket, straight	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 <sup>8</sup> Ω	Temperature range of housing	-25...+80 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

**Standards**

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
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**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11
eClass 10.0	27-06-03-11	UNSPSC	26-12-16-13

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Brochure/Catalogue

[FL FIELDWIRING EN](#)

Engineering Data

[EPLAN, WSCAD](#)

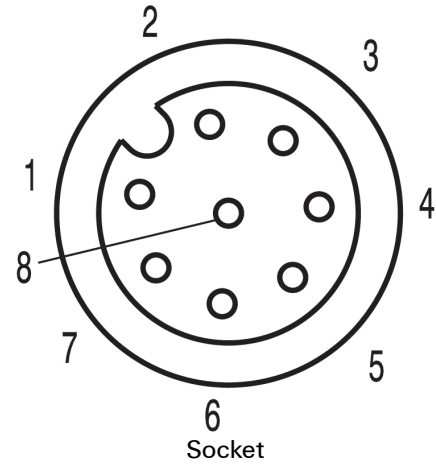
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# Drawings

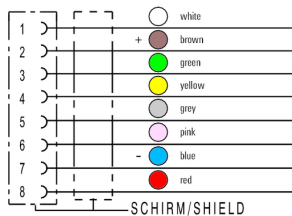
## Dimensioned drawing

## Pole scheme



## Wiring diagram

## The ideal tool: Screwty<sup>®</sup> 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