

**Sensor/actuator line**  
**SAIL-M12BG-5S5.0U**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Germany  
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Sensor-actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers ex-works a connected and tested connection of the plug-in connector to the cable. Here the cables are 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**

Order No.	<a href="#">9456140500</a>
Type	SAIL-M12BG-5S5.0U
Version	Sensor/actuator line, One end without connector, M12, Female socket, straight, LED: No, PUR, Halogen: No, No. of poles: 5, shielded: Yes, 5 m
GTIN (EAN)	4032248230341
Qty.	1 pc(s).

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**Technical data**

**Dimensions and weights**

Net weight 250 g

**Technical specifications for cable**

No. of poles shielded	5 Yes	Core cross-section	0.34 mm <sup>2</sup>
Colour coding	Blue, White, Brown, Grey, Black	Insulation	PP
Sheathing colour	Black	Sheath material	PUR
Cable length	5 m	Outer diameter	5.7 ± 0.2 mm
Temperature range, moving, max.	80 °C	Temperature range, moving, min.	-25 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40 °C
Suitable for cable carriers	Yes	Halogen	No
Bending radius, min., stationary	5 x cable diameter	Torsion resistance	0 °/m
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	10 x cable diameter
Bending cycles	2 Mio	Speed	200 m/min
		Resistant to welding beads	No

**General technical data**

Version	Female socket, straight	Contact tube diameter	M12
Housing main material	PUR	Threaded ring material	Brass, nickel-plated
Coding	A	Protection degree	IP 65, IP 66, IP 67, IP 68
Contact surface	Gold-plated	LED	No
Rated voltage	125 V	Rated current	4 A
Insulation resistance	10 <sup>8</sup> 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 2.0	EC000304	ETIM 3.0	EC001855
UNSPSC	26-12-16-13	eClass 4.1	27-06-00-00
eClass 5.1	27-06-91-90	eClass 6.0	27-27-92-18
eClass 7.0	27-06-91-90		

**Approvals**

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**Drawings**