

SAIL-M12BG-8S2.5U**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 : 8, 2.5 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1890520250
Type	SAIL-M12BG-8S2.5U
GTIN (EAN)	4050118214703
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	150 g
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Environmental Product Compliance

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

Acceleration	5 m/s²	
Bending cycles	1 mill.	
Bending radius, min., moving	12 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	
Cable length	2.5 m	
Colour coding	blue, red, white, brown, green, yellow, grey, pink	
Configurable cable length	No	
Core cross-section	0.25 mm²	
Halogen	No	
Housing main material	PUR	
Insulation	PP	
Number of poles	8	
Number of poles	8	
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	
Outer diameter	6.3 ± 0.2 mm	
Outside diameter	6.3 mm ± 0.2 mm	
Outside diameter	Diameter	6.3 mm
	Signs	±
	Tolerance	0.2 mm
Resistant to welding beads	No	
Sheath material	PUR	
Sheathing colour	black	
Shielded	Yes	
Speed	100 m/min	
Suitable for cable carriers	Yes	
Temperature range, moving	-25...80 °C	
Temperature range, moving, max.	80 °C	
Temperature range, moving, min.	-25 °C	
Temperature range, stationary	-40...80 °C	
Temperature range, stationary, max.	80 °C	
Temperature range, stationary, min.	-40 °C	
Torsion resistance	360 °/m	

General technical data

Coding	A	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in	Rated current	2 A
Rated voltage	30 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No

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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	ECLASS 11.0	27-06-03-11

Approvals

Approvals



ROHS	Conform
UL File Number Search	E307231

DownloadsEngineering Data [STEP](#)

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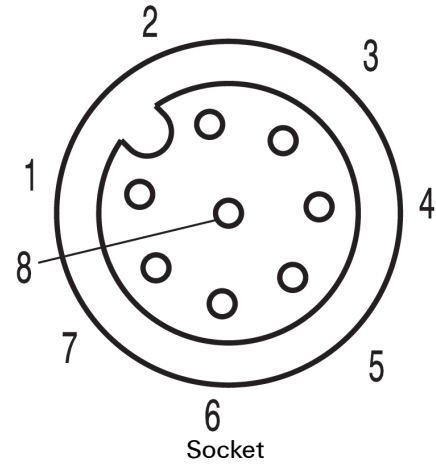
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Drawings

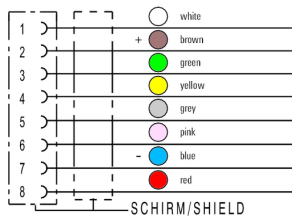
Dimensioned drawing

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