

SAIL-M12BG-8-7.5U

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.

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, 7.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1865870750
Type	SAIL-M12BG-8-7.5U
GTIN (EAN)	4099986140318
Qty.	1 items

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Technical data

Approvals

Approvals	CE; UKCA
ROHS	Conform

Dimensions and weights

Net weight	330 g
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Technical specifications for cable

Cable length	7.5 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.25 mm ²
Number of wires	8	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s ²	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	1 mill.
Resistance to spread of flame	in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	No
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)
Hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	white, brown, green, yellow, grey, pink, blue, red
Torsion resistance	180 °/m	Temperature range, stationary	-40...90 °C
Resistant to welding beads	No	Temperature range, moving	-30...90 °C
Number of poles	8	Outside diameter	5.9 mm ± 0.2 mm

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	TPU
Insulation resistance	≥ 108 Ω	Contact material	CuZn
Nominal voltage	30 V	Nominal current	2 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 1.0 Nm

Electrical properties

Insulation resistance	≥ 108 Ω	Nominal voltage	30 V
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General standards

Connector standard	IEC 61076-2-101
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Standards

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Technical data**Plug, left**

Plug left	M12, A-coded, Number of poles: 8, female contact, straight, plug, unshielded
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Plug, right

Plug right	Free conductor end
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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		

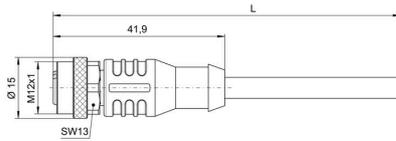
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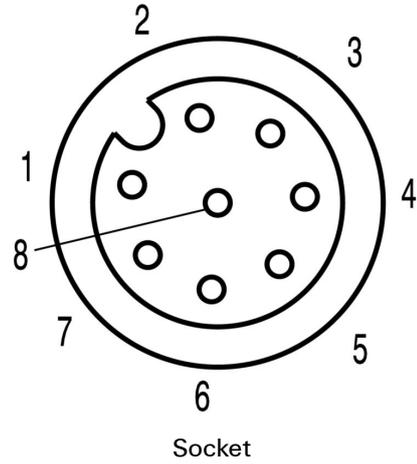
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Drawings

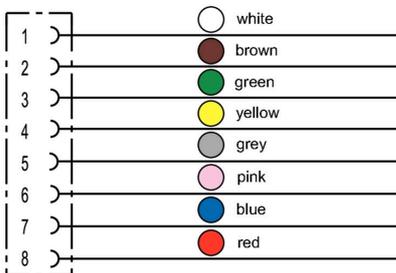
Dimensioned drawing



Pole scheme



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

