

SAIL-M12GM12G-3-8.3T

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, Connecting line, M12 / M12, Number of poles : 3, 8.3 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1021710830
Type	SAIL-M12GM12G-3-8.3T
GTIN (EAN)	4050118626780
Qty.	1 pc(s).

Creation date April 15, 2021 11:07:25 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight 200 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	8.3 m	Colour coding	brown, blue, black
Configurable cable length	No	Core cross-section	0.34 mm ²
Halogen	No	Insulation	PP
Number of poles	3	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Outside diameter	4.9 mm ± 0.2 mm	Resistant to welding beads	Yes
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	200 m/min
Suitable for cable carriers	Yes	Temperature range, moving	-30...105 °C
Temperature range, stationary	-40...105 °C	Torsion resistance	360 °/m

General technical data

AF size	12 mm	Coding	A
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25...+80 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	jumpered	No

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	ECLASS 11.0	27-06-03-11

Approvals

ROHS Conform

DownloadsBrochure/Catalogue [Catalogues in PDF-format](#)

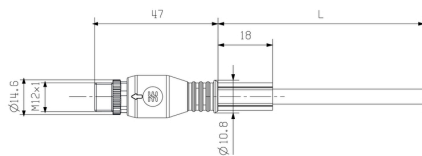
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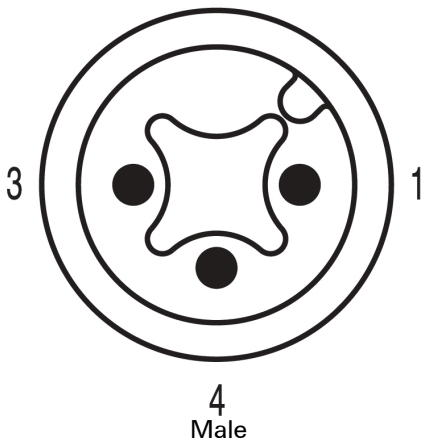
Drawings

Dimensioned drawing



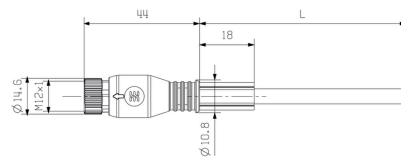
Male, straight

Pole scheme



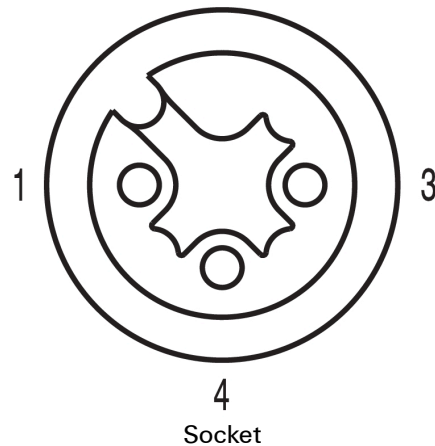
4
Male

Dimensioned drawing



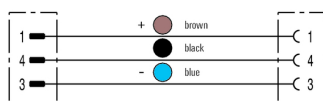
Straight socket

Pole scheme



4
Socket

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