

SAIL-M12GM12G-5-3.0V

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 : 5, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	1925320300
Type	SAIL-M12GM12G-5-3.0V
GTIN (EAN)	4032248567621
Qty.	1 pc(s).

Creation date May 9, 2025 12:57:30 AM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight 172 g

Technical specifications for cable

Cable length	3 m	Colour coding	brown, white, blue, black, grey
Configurable cable length	No	Core cross-section	0.34 mm ²
Halogen	Yes	Insulation	PVC
Irradiation crosslinked	No	Number of poles	5
Outer cladding in accordance with UL AWM style	2464 (80 °C / 300 V)	Outside diameter	5.7 mm ± 0.2 mm
Resistant to welding beads	No	Sheath material	PVC
Sheathing colour	black	Shielded	No
Suitable for cable carriers	No	Temperature range, moving	-5...80 °C
Temperature range, stationary	-30...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No		

General technical data

Coding	A-coded	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	IP67, IP68, when fully mounted, IP65, IP66	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical propertiesInsulation strength 10⁸ Ω Rated voltage 60 V**General standards**

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

Standards

Connector standard IEC 61076-2-101

Plug, left

Plug left M12, A-coded, IP69, male contact, straight, Plastic, unshielded

Plug, right

Plug right M12, A-coded, IP69, female contact, straight, Plastic, unshielded

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Technical data**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd555fbf5cb55

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Product Change Notification	DE - Technische Änderung zu M12 Gewinding mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting Technical change to 3 to 5-pole unshielded M12 cord sets
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

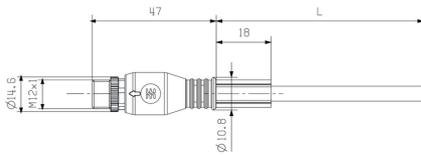
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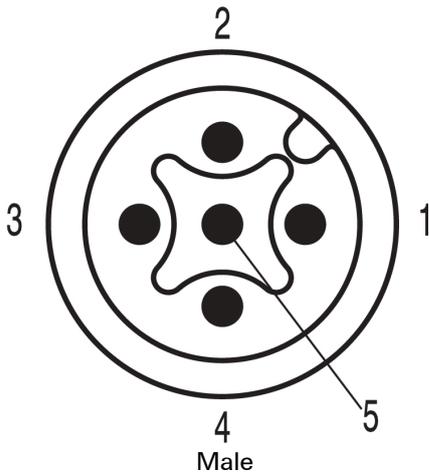
Drawings

Dimensioned drawing

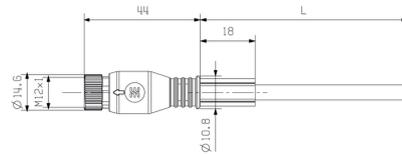


Male, straight

Pole scheme

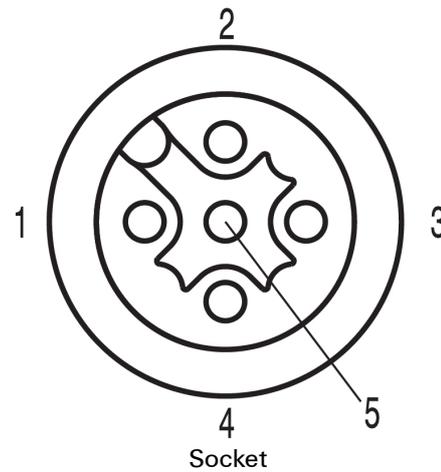


Dimensioned drawing

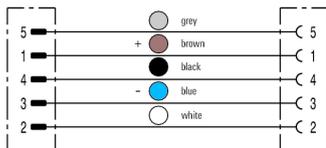


Straight socket

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