

SAIL-M12GM12W-5-3LW1.5TP

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, 1.5 m, pin, straight - socket, 90°, Shielded: No, LED: Yes, Sheath material: PUR, Halogen: No
Order No.	1963920150
Type	SAIL-M12GM12W-5-3LW1.5TP
GTIN (EAN)	4032248646449
Qty.	1 pc(s).

Creation date August 17, 2023 7:11:44 PM CEST

Catalogue status 04.08.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight 79 g

Temperatures

Operating temperature, min. -25 °C Operating temperature, max. 80 °C

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	1.5 m	Colour coding	brown, white, blue, black, Green/yellow
Configurable cable length	No	Core cross-section	0.34 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	5
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Outside diameter	5.1 mm ± 0.2 mm
Resistant to welding beads	Yes	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	200 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-30...105 °C	Temperature range, stationary	-40...105 °C
Torsion resistance	360 °/m	Welding spark resistance	Yes

General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	Yes
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, IP68, when screwed in, IP65, IP66	Rated current	4 A
Rated voltage	24 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, 90°;	jumpered	No

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 24 V

General standards

Connector standard IEC 61076-2-101

Standards

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Technical data

Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	A-coded
	Protection degree (IP)	IP69
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
	Cable side	right
	Version of contact face	M12
	Coding of plug	A-coded
	Protection degree (IP)	IP69
	Gender of contact	female contact
	Outlet direction	angled 90°
	Housing main material	Plastic
	Status indicator available	Yes
Status indicator	LED	
Shielding available	No	
Plug left	M12, A-coded, IP69, male contact, straight, Plastic, unshielded	
Plug right	M12, A-coded, IP69, female contact, angled 90°, Plastic, LED, unshielded	

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals	
ROHS	Conform

Downloads

Engineering Data	WSCAD, EPLAN
Product Change Notification	DE - Technische Änderung zu M12 Gewinding mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

Data sheet

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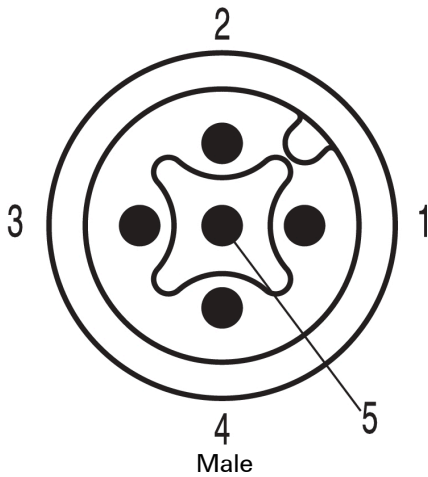
Drawings

Dimensioned drawing

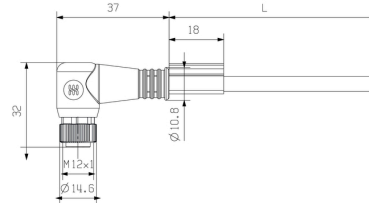


Male, straight

Pole scheme

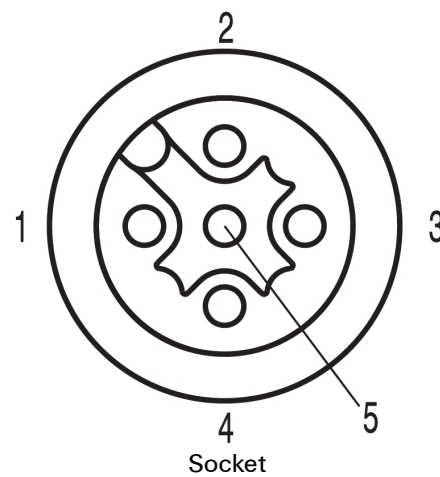


Dimensioned drawing

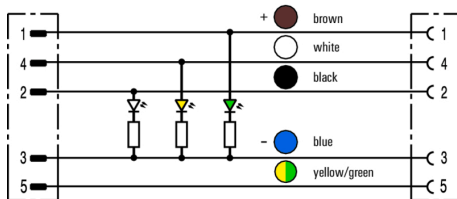


Angled socket

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