

SAIL-M12GM12W-4-2L5.0T**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 : 4, 5 m, pin, straight - socket, 90°, Shielded: No, LED: Yes, Sheath material: PUR, Halogen: No
Order No.	1004310500
Type	SAIL-M12GM12W-4-2L5.0T
GTIN (EAN)	4032248703197
Qty.	1 pc(s).

Creation date September 15, 2022 9:06:45 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	164 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55
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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	5 m	Colour coding	brown, white, blue, black
Configurable cable length	No	Core cross-section	0.34 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4
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	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	-40 ... +85 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, 90°; 90°	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	24 V
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General standards

Certificate No. (UL)	E307231	Connector standard	IEC 61076-2-101
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Standards

Connector standard	IEC 61076-2-101
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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

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Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UL) E307231

DownloadsEngineering Data [EPLAN, WSCAD](#)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](#)

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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