

## SAIL-M12W-5-1.5T

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 : 5, 1.5 m, pin, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1021660150</a>
Type	SAIL-M12W-5-1.5T
GTIN (EAN)	4032248735167
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E307231

**Dimensions and weights**

Net weight	65.12 g
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**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-fd55fbf5cb55

**Technical specifications for cable**

Cable length	1.5 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.34 mm <sup>2</sup>
Shielded	No	Halogen	No
Insulation	PP	Acceleration	5 m/s <sup>2</sup>
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Bending cycles	10 Mio	Speed	200 m/s
Sheath material	PUR	Configurable cable length	No
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Irradiation crosslinked	No
Welding spark resistance	Yes	Colour coding	brown, white, blue, black, grey
Torsion resistance	360 °/m	Temperature range, stationary	-40...105 °C
Resistant to welding beads	Yes	Temperature range, moving	-30...105 °C
Number of poles	5	Outside diameter	5.1 mm ± 0.2 mm

**General technical data**

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	pin, 90°	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	60 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68, IP69, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Diecast zinc	Temperature range of housing	-25...+85 °C
Tightening torque	M12: 0.8 - 1.2 Nm		

**Electrical properties**

Insulation resistance	108 Ω	Nominal voltage	60 V
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**Technical data**

**General standards**

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

Connector standard	IEC 61076-2-101
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**Plug, left**

Plug left	M12, A-coded, IP69, male contact, angled 90°, Plastic, 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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**Drawings**

www.weidmueller.com

**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

