

## SAIL-M12BW-12S7.5U

**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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference.

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 : 12, 7.5 m, Socket, angled, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1424280750</a>
Type	SAIL-M12BW-12S7.5U
GTIN (EAN)	4050118243819
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

## Dimensions and weights

Net weight 390 g

## Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

## Technical specifications for cable

Cable length	7.5 m	Sheathing colour	black
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.14 mm <sup>2</sup>	Shielded	Yes
Halogen	No	Insulation	PP
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	12 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	1 mill.
Speed	100 m/min	Sheath material	PUR
Configurable cable length	No	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Drain wire integrated	No
Colour coding	black, yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue	Torsion resistance	0 °/m
Temperature range, stationary	-40...80 °C	Temperature range, moving	-30...80 °C
Number of poles	12	Outside diameter	6 mm ± 0.2 mm

## General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Socket, angled	Housing main material	TPU
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	1.5 A	AF size	13 mm
Protection degree	IP67, when screwed in, IP65, IP66	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Diecast zinc	Temperature range of housing	-40 ... +85 °C
Tightening torque	M12: 1.0 Nm		

## Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 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, IP67, female contact, angled 90°, Plastic, shielded
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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**

**Dimensioned drawing**



**Pole scheme**



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

