

**SAIP-M8BW-3-10U****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.

The M8 and M12 sensor-actuator cables are supplied as standard with brass nickel-plated nuts. However if you are looking to use our products in an extremely harsh environment, we can also supply a variant with a plastic nut. This enables use in environments where cables with nickel-plated M8 and M12 nuts would rust.

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, M8, Number of poles : 3, 10 m, Socket, angled, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1382981000</a>
Type	SAIP-M8BW-3-10U
GTIN (EAN)	4050118191905
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Net weight	120 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 <sup>2</sup>	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	10 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.25 mm <sup>2</sup>	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	Irradiation crosslinked	No
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	4.1 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	5 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Torsion resistance	360 °/m	Welding spark resistance	No

## General technical data

Coding	A	Connection thread	M8
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-40 ... +85 °C
Threaded ring material	POM	Tightening torque	M8: 0.5 - 0.6 Nm
Version	Socket, angled	jumpered	No

## Electrical properties

Insulation strength	10 <sup>8</sup> Ω	Rated voltage	60 V
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## General standards

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-104
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## Standards

Connector standard	IEC 61076-2-104
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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

**Approvals**

Approvals



UL File Number Search	UL Website
Certificate no. (cULus)	E307231

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

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# Drawings

## Dimensioned drawing



Angled socket

## 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

# Mouser Electronics

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