

## SAIP-M12BW-3-3.0U

**Weidmüller Interface GmbH & Co. KG**

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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

Type	SAIP-M12BW-3-3.0U
Order No.	<a href="#">1108770300</a>
Version	Sensor/actuator line, One end without connector, M12, No. of poles: 3, 3 m, bush, 90°, shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248888368
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Net weight 106 g

### Technical specifications for cable

No. of poles shielded	3 No	Core cross-section	0.34 mm <sup>2</sup>
Colour coding	Brown, Blue, Black	Insulation	TPM
Sheathing colour	Black	Sheath material	PUR
Cable length	3 m	Outer diameter	4.3 ± 0.2 mm
Temperature range, moving, max.	80 °C	Temperature range, moving, min.	-25 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-40 °C
Suitable for cable carriers	Yes	Halogen	No
Bending radius, min., stationary	5 x cable diameter	Torsion resistance	180 °/m
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	10 x cable diameter
Bending cycles	5 Mio	Speed	200 m/min
		Resistant to welding beads	No

### General technical data

Version	bush, 90°	Contact tube diameter	M12
Housing main material	PUR	Threaded ring material	Plastic
Coding	A	Protection degree	IP 65, IP 66, IP 67, IP 68, (when screwed in)
Contact surface	Gold-plated	LED	No
Rated voltage	250 V	Rated current	4 A
Insulation resistance	10 <sup>8</sup> Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12 (plastic): 0.9 - 1.1 Nm	Plugging cycles	≥ 100
Pollution severity	3	Plugging cycles jumpered	No

### Classifications

ETIM 3.0	EC000830	eClass 6.2	27-06-91-90
eClass 7.1	27-06-91-90		

### Approvals

Approvals	
ROHS	Conform

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**Drawings**