

## SAIP-M8BG-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-M8BG-3-3.0U
Order No.	<a href="#">1382970300</a>
Version	Sensor/actuator line, One end without connector, M8, No. of poles: 3, 3 m, Female socket, straight, shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118214024
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Net weight 100 g

### Technical specifications for cable

No. of poles shielded	3 No	Core cross-section	0.25 mm <sup>2</sup>
Colour coding	Brown, Blue, Black	Insulation	TPM
Sheathing colour	Black	Sheath material	PUR
Cable length	3 m	Outer diameter	4.1 ± 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	Female socket, straight	Contact tube diameter	M8
Housing main material	PUR	Threaded ring material	Plastic
Coding	none	Protection degree	IP 65, IP 66, IP 67, IP 68, (when screwed in)
Contact surface	Gold-plated	LED	No
Rated voltage	60 V	Rated current	4 A
Insulation resistance	10 <sup>8</sup> Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M8: 0.5 - 0.6 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

### Classifications

eClass 6.2 27-27-92-18

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**Drawings**