

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.	1382970300
Version	Sensor/actuator line, One end without connector, M8, Number 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 70 g

Technical specifications for cable

Number of poles	3	Core cross-section	0.25 mm ²
Outside diameter	4.1 ± 0.2 mm	Shielded	No
Insulation	PP	Colour coding	brown, blue, black
Sheath material	PUR	Sheathing colour	Black
Cable length	3 m	Temperature range, moving	-25...80 °C
Temperature range, stationary	-40...80 °C	Halogen	No
Suitable for cable carriers	Yes	Torsion resistance	0 °/m
Bending radius, min., stationary	5 x cable diameter	Bending radius, min., moving	10 x cable diameter
Acceleration	5 m/s ²	Speed	5 m/s
Bending cycles	5 Mio	Resistant to welding beads	No

General technical data

Version	Female socket, straight	connection thread	M8
Housing main material	PUR	Threaded ring material	POM
Coding	none	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Contact surface	Gold-plated	LED	No
Rated voltage	60 V	Rated current	4 A
Insulation resistance	10 ⁸ Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M8: 0.5 - 0.6 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

Standards

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

Classifications

ETIM 5.0	EC001855	ETIM 6.0	EC001855
eClass 6.2	27-27-92-18	eClass 7.1	27-27-92-18
eClass 8.1	27-27-92-18	eClass 9.0	27-06-03-11
eClass 9.1	27-06-03-11		

Approvals

Approvals



Downloads

Brochure/Catalogue [FL FIELDWIRING EN](#)
 Engineering Data [EPLAN, WSCAD](#)

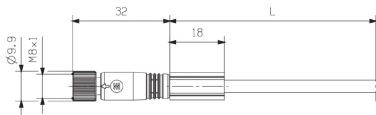
Data sheet

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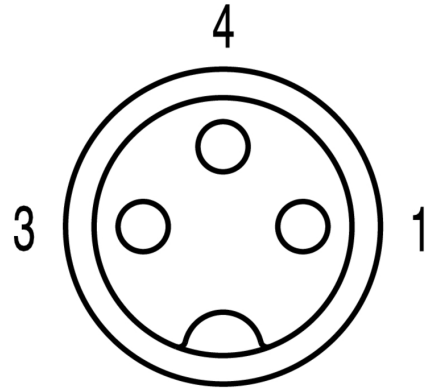
Drawings

Dimensioned drawing



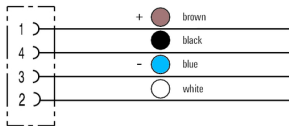
Straight socket

Pole scheme



Socket

Wiring diagram



The ideal tool, the 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