

SAIP-M12BG-4-1.5U

Weidmüller Interface GmbH & Co. KG

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Germany

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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-M12BG-4-1.5U
Order No.	1108740150
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 4, 1.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248888450
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight 54 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Number of poles	4	Core cross-section	0.34 mm ²
Outside diameter	4.7 mm ± 0.2 mm	Cable length	1.5 m
Shielded	No	Insulation	PP
Colour coding	brown, white, blue, black	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Core in accordance with UL AWM style		Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
	10493 (80 °C / 300 V)	Torsion resistance	360 °/m
Suitable for cable carriers	Yes	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Speed	5 m/s
Acceleration	5 m/s ²	Resistant to welding beads	No
Bending cycles	2 Mio	Hydrolysis and microbe resistant	Yes
Configurable cable length	No	Resistance to oils	in accordance with IEC 60811:404
LABS-free			
	Yes		
Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accordance with UL1581 UL/ CUL FT1		

General technical data

AF size	12 mm	Version	Female socket, straight
Connection thread	M12	Housing main material	PUR
Threaded ring material	Plastic	Coding	A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Contact surface	Gold-plated
LED	No	Rated voltage	250 V
Rated current	4 A	Insulation strength	10 ⁸ Ω
Temperature range of housing		Tightening torque	M12 (plastic nut): 0.6 - 0.8 Nm
	-25...+80 °C	Pollution severity	3
Plugging cycles jumpered	≥ 100		
	No		

Standards

Connector standard IEC 61076-2-101 Certificate no. (cULus) E307231

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11
eClass 10.0	27-06-03-11		

Creation date September 12, 2020 6:44:23 AM CEST

Catalogue status 28.08.2020 / We reserve the right to make technical changes.

Data sheet**SAIP-M12BG-4-1.5U**

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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

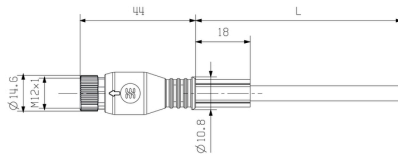
Brochure/Catalogue	CAT 8 SAI 15/16 EN FL FIELDWIRING EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
Product Change Notification	Technical change to M12 plastic nuts - EN Technical change to M12 plastic nuts - DE

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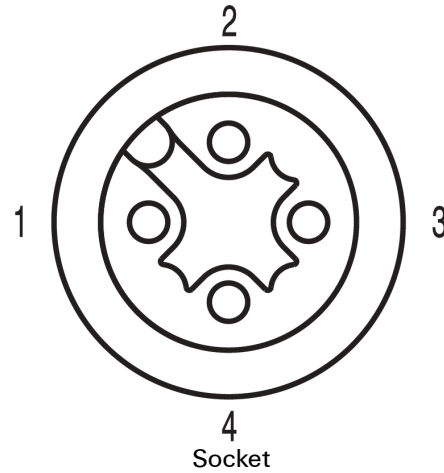
Drawings

Dimensioned drawing



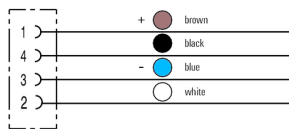
Straight socket

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