

## SAIP-M8BG-4-5.0U

**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 : 4, 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1382990500</a>
Type	SAIP-M8BG-4-5.0U
GTIN (EAN)	4050118190779
Qty.	1 items

## SAIP-M8BG-4-5.0U

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate no. (cULus)	E307231

## Dimensions and weights

Net weight	114.4 g
------------	---------

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

## Technical specifications for cable

Cable length	5 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.25 mm <sup>2</sup>	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s <sup>2</sup>	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	12 Mio
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	No
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	brown, white, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-25...80 °C
Length of torsion	1 m	Number of poles	4
Outside diameter	4.4 mm ± 0.2 mm		

## General technical data

Coding	A-coded	Connection thread	M8
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	4 A	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
jumped	No	Threaded ring material	POM
Temperature range of housing	-25...+85 °C	Tightening torque	M8: 0.5 - 0.6 Nm

## SAIP-M8BG-4-5.0U

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 V
-----------------------	-------	-----------------	------

### General standards

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

### Standards

Connector standard	IEC 61076-2-104
--------------------	-----------------

### Plug, left

Plug left	M8, IP69, female contact, straight, Plastic, unshielded
-----------	---

### Plug, right

Plug right	free conductor end
------------	--------------------

### Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

**SAIP-M8BG-4-5.0U**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

**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

