

**SAIP-M12BW-5-3.0V****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, M12, Number of poles : 5, 3 m, Socket, angled, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	<a href="#">1466010300</a>
Type	SAIP-M12BW-5-3.0V
GTIN (EAN)	4050118275124
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Net weight	138.16 g
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## Technical specifications for cable

Cable length	3 m	Colour coding	brown, white, blue, black, grey
Configurable cable length	No	Core cross-section	0.34 mm <sup>2</sup>
Halogen	Yes	Insulation	PVC
Irradiation crosslinked	No	Number of poles	5
Outer cladding in accordance with UL AWM style	2464 (80 °C / 300 V)	Outside diameter	5.7 mm ± 0.2 mm
Resistant to welding beads	No	Sheath material	PVC
Sheathing colour	black	Shielded	No
Suitable for cable carriers	No	Temperature range, moving	-5...80 °C
Temperature range, stationary	-30...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No		

## General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 <sup>8</sup> Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Rated current	4 A
Rated voltage	60 V	Temperature range of housing	-25...+85 °C
Threaded ring material	Plastic	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Socket, angled	jumpered	No

## Electrical properties

Insulation strength	10 <sup>8</sup> Ω	Rated voltage	60 V
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## General standards

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

Connector standard	IEC 61076-2-101
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## Plug, left

Plug left	M12, A-coded, IP69, male contact, angled 90°, Plastic, unshielded
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## Plug, right

Plug right	free conductor end
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## Technical data

## Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

## 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

## Approvals

Approvals



Approvals MAMID	<a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a>
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">Technical change to 3 to 5-pole unshielded M12 cord sets</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a>

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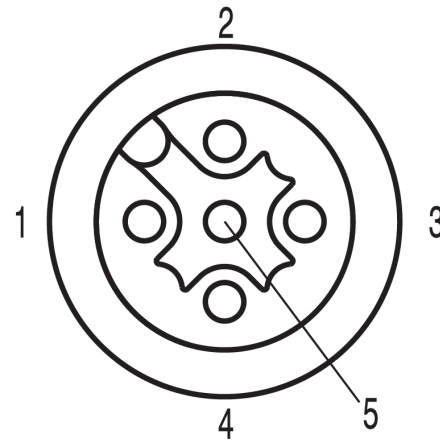
## Drawings

### Dimensioned drawing



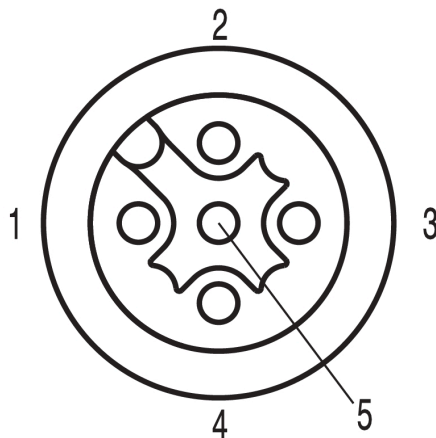
Angled socket

### 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