

SAIP-M12WM12W-5-10U

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-M12WM12W-5-10U
Order No.	1108721000
Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 5, 10 m, pin, 90°deg; - socket 90°deg;, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248888504
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	375 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical specifications for cable

Number of poles	5	Core cross-section	0.34 mm ²
Outside diameter	5 ± 0.2 mm	Cable length	10 m
Shielded	No	Insulation	PP
Colour coding	brown, white, blue, black, grey	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	10493 (80 °C / 300 V)	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Suitable for cable carriers	Yes	Torsion resistance	360 °/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	2 Mio	Resistant to welding beads	No
Hybrid cable	No	Irradiation crosslinked	No
Configurable cable length	No	Hydrolysis and microbe resistant	Yes
LABS-free	Yes	Resistance to oils	in accordance with IEC 60811:404
Resistance to spread of flame	in accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2		

General technical data

Version	pin, 90° - socket 90°	Connection thread	M12 / 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	125 V	Rated current	4 A
Insulation strength	10 ⁸ Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12 (plastic): 0.9 - 1.1 Nm	Plugging cycles	≥ 100
Pollution severity	3	Plugging cycles jumpered	No

Standards

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

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Classifications

ETIM 3.0	EC000830	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC001855
eClass 6.2	27-06-91-90	eClass 7.1	27-06-91-90
eClass 8.1	27-06-91-90	eClass 9.0	27-06-03-11
eClass 9.1	27-06-03-11		

Approvals

Approvals



ROHS Conform

Downloads

Brochure/Catalogue	FL FIELDWIRING EN
Engineering Data	EPLAN, WSCAD

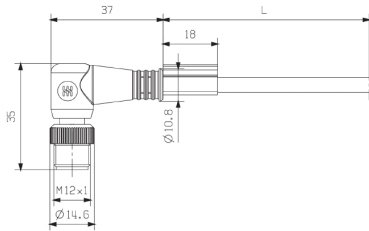
Data sheet

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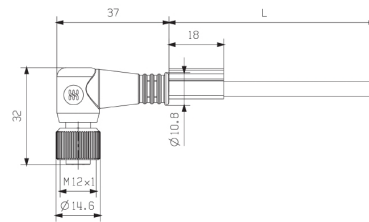
Drawings

Dimensioned drawing



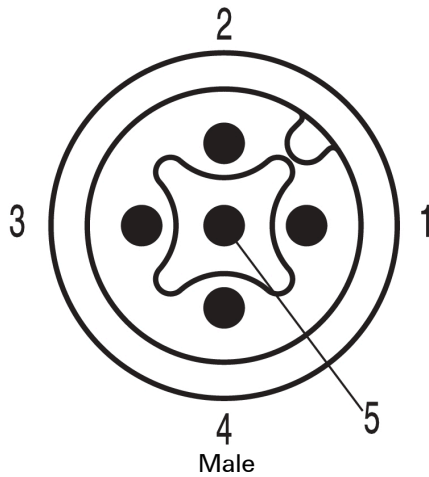
Male, angled

Dimensioned drawing

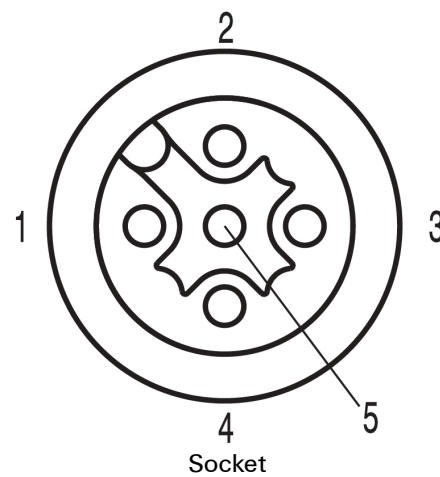


Angled socket

Pole scheme



Pole scheme



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