

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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, Connecting line, M12 / M12, Number of poles : 5, 1.5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1108890150
Туре	SAIP-M12GM12W-5-1.5U
GTIN (EAN)	4032248887934
Qty.	1 pc(s).



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Technical data

Bending radius, min., stationary 5 x cable diameter Cable leng Colour coding brown, white, blue, black, grey Configural Core cross-section 0.34 mm² Core in act Halogen No Hydrolysis Insulation PP Irradiation LABS-free Yes Length of state of the poles Number of poles 5 Outer clad AWM style Resistance of the poles 5.3 mm ± 0.2 mm Resistance Resistance to spread of flame In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 Resistant the pole of the pole	lius, min., moving h e cable length ordance with UL AWM style and microbe resistant rosslinked orsion ing in accordance with UL to oils welding beads	12 Mio 10 x cable diameter 1.5 m No 10493 (80 °C / 300 V) Yes No 1 m 20549 (80 °C / 300 V) in accordance with IEC 60811:404
Bending cycles at torsion > 5 Mio. Bending radius, min., stationary 5 x cable diameter Cable leng brown, white, blue, black, grey Core cross-section 0.34 mm² Core in accordance with luctuation luctuation and the properties of the protection degree of the plack of	lius, min., moving h e cable length ordance with UL AWM style and microbe resistant rosslinked orsion ing in accordance with UL to oils welding beads	10 x cable diameter 1.5 m No 10493 (80 °C / 300 V) Yes No 1 m 20549 (80 °C / 300 V) in accordance with IEC 60811:404
Bending cycles at torsion > 5 Mio. Bending radius, min., stationary 5 x cable diameter Cable leng Colour coding brown, white, blue, black, grey Core cross-section 0.34 mm² Core in acc Halogen No Hydrolysis Insulation PP Irradiation LABS-free Yes Length of Number of poles Outside diameter Fesistance to spread of flame In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 Sheath material PUR Sheathing Shielded No Speed Suitable for cable carriers Yes Temperature range, stationary -4080 °C Temperature range, stationary Welding spark resistance Coding A Connection Contact surface Gold-plated Housing modern of the polity of the p	lius, min., moving h e cable length ordance with UL AWM style and microbe resistant rosslinked orsion ing in accordance with UL to oils welding beads	10 x cable diameter 1.5 m No 10493 (80 °C / 300 V) Yes No 1 m 20549 (80 °C / 300 V) in accordance with IEC 60811:404
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Sheath material PUR Sheathing Shielded No Speed Suitable for cable carriers Yes Temperature Temperature range, stationary -4080 °C Torsion res Welding spark resistance No General technical data Coding A Connection Contact surface Gold-plated Housing material Insulation strength 10 ⁸ Ω LED Plugging cycles ≥ 100 Pollution s Protection degree IP65, IP66, IP67, IP68, when screwed in Rated current temperature temp	olour	
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Plugging cycles ≥ 100 Pollution s Protection degree IP65, IP66, IP67, IP68, when screwed in Rated curr Rated voltage 60 V Temperatur Threaded ring material Plastic Tightening jumpered Version pin, straight - socket, 90° jumpered	IIII IIIaleilai	
Protection degree IP65, IP66, IP67, IP68, when screwed in Rated voltage 60 V Temperatu Threaded ring material Plastic Tightening Version pin, straight - socket, 90°		No
when screwed in Rated voltage 60 V Temperatu Threaded ring material Plastic Tightening Version pin, straight - socket, 90°	1	3
Rated voltage 60 V Temperatu Threaded ring material Plastic Tightening Version pin, straight - socket, jumpered 90°	nt	4 A
Threaded ring material Plastic Tightening Version pin, straight - socket, jumpered 90°	e range of housing	-40 +85 ° C
Version pin, straight - socket, jumpered 90°		M12 (plastic): 0.9 - 1.1 Nn
	orque	No
Liectrical properties		
Insulation strength $10^8\Omega$ Rated volta		60 V
General standards	је	
Certificate no. (cULus) E307231 Connector	ge	

Connector standard

IEC 61076-2-101



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Technical data

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	WSCAD
Product Change Notification	Technical change to M12 plastic nuts - EN
	Technical change to M12 plastic nuts - DE
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN



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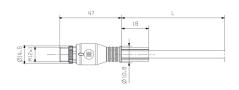
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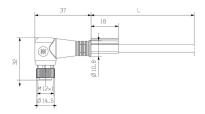
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Drawings

Dimensioned drawing

Dimensioned drawing



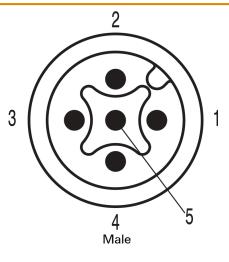


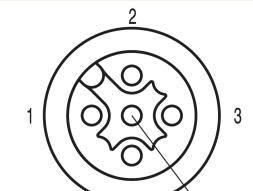
Angled socket

Male, straight

Pole scheme

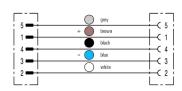
Pole scheme





The ideal tool: Screwty ® with torque function

Wiring diagram





Socket

Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 192000000 Adapters: M12, M12 F, M8, M8 F