

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 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 stainless-steel nut. This enables use in environments where cables with nickel-plated M12 nuts would rust and cables with a plastic nut are unsuitable for mechanical reasons. 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 : 4, 0.3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No	
Order No.	<u>9457950030</u>	
Туре	SAIV-M12BG-4-0.3U	
GTIN (EAN)	4032248229666	
Qty.	1 pc(s).	



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Technical data

Bending cycles at torsion > 5 Mio. Bending Bending radius, min., stationary 5 x cable diameter Cable I Colour coding brown, white, blue, black Core in Mine, blue, black AMM in Mine, blue, black Core in Mine, blue, black AMM in Mine, blue, black Besiste Length Mine, blue, black AMM in Mine, blue, black <t< th=""><th></th><th></th></t<>		
Lead 7439-92-1 Technical specifications for cable Acceleration 5 m/s² Bending Bending cycles at torsion > 5 Mio. Bending radius, min., stationary 5 x cable diameter Cable I Ca		
Acceleration 5 m/s² Bending Bending cycles at torsion > 5 Mio. Bending radius, min., stationary 5 x cable diameter Colour coding brown, white, blue, black Config Core cross-section 0.34 mm² Core in Halogen No Hydrol Insulation PP Irradia LABS-free Yes Number of poles 4 AWM. Resistance to spread of flame In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2 Sheath material PUR Sheath Shielded No Speed Suitable for cable carriers Yes Temperature range, stationary 4080 °C Torsion Welding spark resistance Rated on the flat of the foliation of the foliation of the flat of the foliation of the flat of the		1c533b66-fcff-4da5-b89f fd55fbf5cb55
Bending cycles at torsion > 5 Mio. Bending Bending radius, min., stationary 5 x cable diameter Cable I Colour coding brown, white, blue, black Config Core cross-section 0.34 mm² Core in Halogen No Hydrol Insulation PP Irradia LABS-free Yes Length Number of poles 4 Outer of AVMI. Resistance to spread of flame In accordance with Resiste Resistance to spread of flame In accordance with IEC 60332-2-2 Resiste Sheath material PUR Sheath Sheath material PUR Sheath Shielded No Speed Suitable for cable carriers Yes Tempe Temperature range, stationary -4080 °C Torsion Welding spark resistance No Speed General technical data Conne LED Coding A Conne Contact surface Gold-plated Housin Insulation strength 10 ⁸		
Bending cycles at torsion > 5 Mio. Bending Bending radius, min., stationary 5 x cable diameter Cable I Colour coding brown, white, blue, black Config Core cross-section 0.34 mm² Core in Halogen No Hydrol Insulation PP Irradia LABS-free Yes Length Number of poles 4 AVM Resistance to spread of flame In accordance with Resiste Resistance to spread of flame In accordance with IEC 60332-2-2 Resistance Sheath material PUR Sheath Sheath material PUR Sheath Shielded No Speed Suitable for cable carriers Yes Tempe Temperature range, stationary -4080 °C Torsion Welding spark resistance No A Conne General technical data Conne Housin Insulation strength 108 Ω LED Plugging cycles ≥ 100 Pollutic Protection degree		40.14
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Welding spark resistance No General technical data A Conne Coding A Conne Contact surface Gold-plated Housin Insulation strength 10 ⁸ Ω LED Plugging cycles ≥ 100 Pollution Protection degree IP65, IP66, IP67, IP68, when screwed in Rated on the screwed in Rated voltage 250 V Temper Threaded ring material Stainless steel 1.4404 (316L) Tighter (316L) Version Female socket, straight jumper Electrical properties Insulation strength 10 ⁸ Ω Rated on the screen standards Certificate no. (cULus) E307231 Connection	on resistance	360 °/m
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	perature range of housing	-40 +85 ° C
Electrical properties Insulation strength $10^8 \Omega$ Rated General standards Certificate no. (cULus) E307231 Connection of the connecti	tening torque	M12: 0.8 - 1.2 Nm
Insulation strength $10^8\Omega$ Rated General standards Certificate no. (cULus) E307231 Connection of the content of the conten	pered	No
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General standards Certificate no. (cULus) E307231 Conne	d voltage	050.1/
Certificate no. (cULus) E307231 Conne	u voitaye	250 V
	nector standard	IEC 61076-2-101
Standards		
Connector standard IEC 61076-2-101		

Creation date October 11, 2022 8:29:14 PM CEST



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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

Approvals

Approvals



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

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN



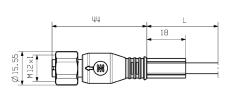
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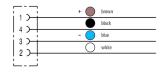
Drawings

Dimensioned drawing

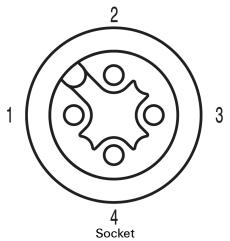


Straight socket

Wiring diagram



Pole scheme



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

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