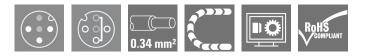


### Weidmüller Interface GmbH & Co. KG

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 : 3, 5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1150620500</u>
Туре	SAIP-M12GM12W-2/4-5.0U
GTIN (EAN)	4032248937721
Qty.	1 pc(s).

# **Technical data**



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Dimensions and weights				
Net weight	155 g			
Technical specifications fo	or cable			
Acceleration	5 m/s²	Bending cycles	12 Mio	
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	Cable length	5 m	
Colour coding	brown, blue, black	Configurable cable length	No	
Core cross-section	0.34 mm <sup>2</sup>	Core in accordance with UL AWM style		
Halogen	No	Hydrolysis and microbe resistant	Yes	
Insulation	PP	Irradiation crosslinked	No	
LABS-free	Yes	Length of torsion	1 m	
Number of poles	3	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	
Outside diameter	4.3 mm ± 0.2 mm	Resistance to oils	in accordance with IEC 60811:404	
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Resistant to welding beads	Νο	
Sheath material	PUR	Sheathing colour	black	
Shielded	No	Speed	5 m/s	
Suitable for cable carriers	Yes	Temperature range, moving	-2580 °C	
Temperature range, stationary	-4080 °C	Torsion resistance	360 °/m	
Welding spark resistance	No			
General technical data				
Coding	А	Connection thread	M12 / 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	250 V	Temperature range of housing	-40 +85 ° C	
Threaded ring material	Plastic	Tightening torque	M12 (plastic): 0.9 - 1.1 Nm	
Version	pin, straight - socket, 90°	jumpered	2/4	
Electrical properties				
Insulation strength	10 <sup>8</sup> Ω	Rated voltage	250 V	
General standards				
Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101	
Standards				
Connector standard	IEC 61076-2-101			
	120010702-101			



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# **Technical data**

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**

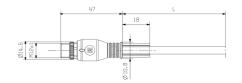
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

#### 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

# Drawings

### **Dimensioned drawing**



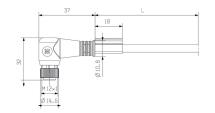


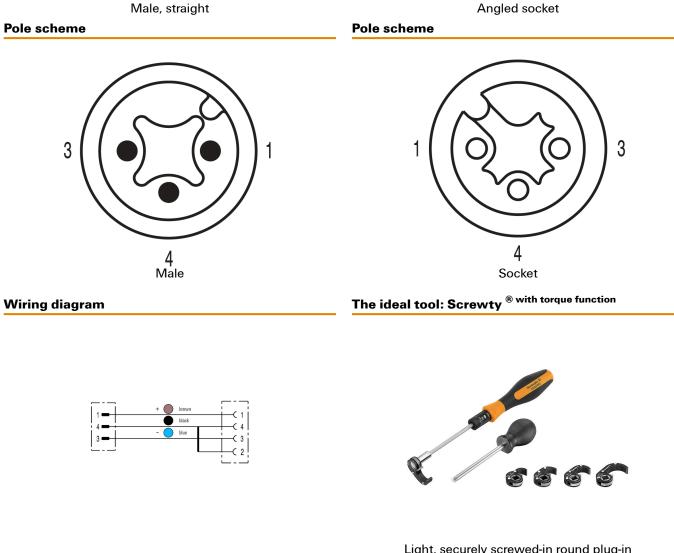
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### **Dimensioned drawing**





Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

Creation date March 16, 2023 3:35:51 PM CET