

### 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 : 4, 5 m, pin, straight -	
	socket, straight, Shielded: No, LED: No, Sheath	
	material: PUR, Halogen: No	
Order No.	<u>1108840500</u>	
Туре	SAIP-M12GM12G-4-5.0U	
GTIN (EAN)	4032248888078	
Qty.	1 pc(s).	

# **Technical data**



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Net weight	164 g		
Technical specifications for	cable		
Acceleration	5 m/s <sup>2</sup>	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, white, 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
	PP	Irradiation crosslinked	No
LABS-free	Yes	Length of torsion	1 m
Number of poles	4	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	4.7 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	Resistant to welding beads	
	60332-2-2		No
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 Welding spark resistance	-4080 °C No	Torsion resistance	360 °/m
General technical data			
Coding	A	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 Nr
Version	pin, straight - socket, straight	jumpered	No
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
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Classifications

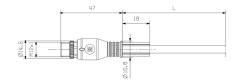
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
Environmental Produc	t Compliance		
REACH SVHC	Lead 7439-92-1		
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55		

### 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**



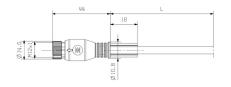


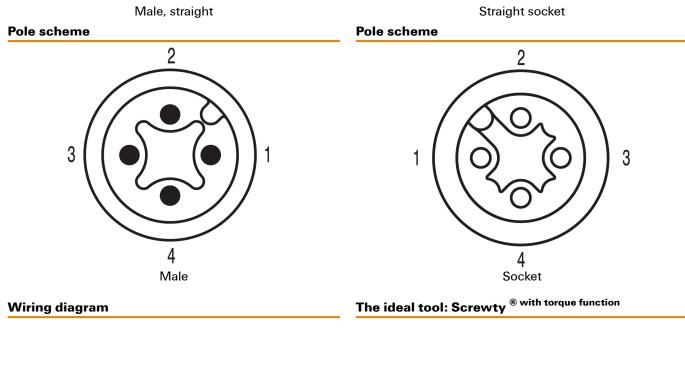
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## **Dimensioned drawing**









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 3:27:20 PM CET