

#### 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, 1.5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1150620150</u>
Туре	SAIP-M12GM12W-2/4-1.5U
GTIN (EAN)	4032248937691
Qty.	1 pc(s).

# **Technical data**

#### Dimensions and weights

Net weight	58 g			
Technical specifications for 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	1.5 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	10493 (80 °C / 300 V)	
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	$4.3 \text{ mm} \pm 0.2 \text{ mm}$	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	No	
Sheath material	PUR	Sheathing colour	black	
Shielded	No	Speed	5 m/s	
Suitable for cable carriers	Yes		-2580 °C	
Suitable for cable carriers	165	Temperature range, moving	-2000 C	

Torsion resistance

#### General technical data

Temperature range, stationary

Welding spark resistance

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		

-40...80 °C

No





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360 °/m

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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**

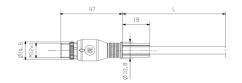
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

#### Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231
Downloads	
Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format
Brochures	<u>FL FIELDWIRING EN</u>

# Drawings

#### **Dimensioned drawing**



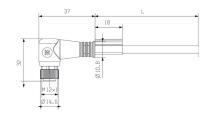


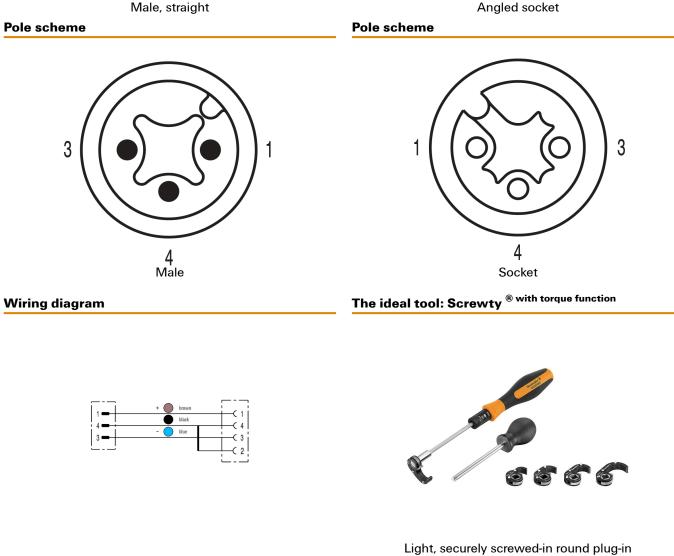
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#### **Dimensioned drawing**





connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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