

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.

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, 3 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<u>1093070300</u>
Туре	SAIL-M12GM12W-4-3.0UGE
GTIN (EAN)	4032248865321
Qty.	1 pc(s).



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Technical data

Dimensions and weights

Net weight 88 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s ²	
Bending cycles	5 Mio	
Bending radius, min., moving	10 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	
Cable length	3 m	
Colour coding	brown, white, blue, black	
Configurable cable length	No	
Core cross-section	0.34 mm ²	
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	
Halogen	No	
Housing main material	PUR	
Hydrolysis and microbe resistant	Yes	
Insulation	PP	
LABS-free	Yes	
Number of poles	4	
Number of poles	4	
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	
Outer diameter	$4.7 \pm 0.2 \text{ mm}$	
Outside diameter	$4.7 \text{ mm} \pm 0.2 \text{ mm}$	
Outside diameter	Diameter 4.7 mm	
	Signs ±	
	Tolerance 0.2 mm	
Resistance to oils	in accordance with IEC 60811:404	
Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, In accordance with UL1581 UL/ CUL FT1	
Resistant to welding beads	No	
Sheath material	PUR	
Sheathing colour	yellow	
Shielded	No	
Speed	5 m/s	
Suitable for cable carriers	Yes	
Temperature range, moving	-2580 °C	
Temperature range, moving, max.	80 °C	
Temperature range, moving, min.	-25 °C	
Temperature range, stationary	-4080 °C	
Temperature range, stationary, max.	80 °C	
Temperature range, stationary, min.	-40 °C	
Torsion resistance	360 °/m	



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General technical data

AF size	12 mm	Coding	Α
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
LED	No	Plugging cycles	≥ 100
Pollution severity		Protection degree	IP65, IP66, IP67, IP68,
	3		when screwed in
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25+80 °C	Threaded ring material	Brass, nickel-plated
Tightening torque		Version	pin, straight - socket,
	M12: 0.8 - 1.2 Nm		90°
jumpered	No		

Classifications

ETIM 6.0	EC001855	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E307231

Downloads

Engineering Data	EPLAN, WSCAD
Product Change Notification	DE - Technische Änderung zu M12 Gewindering mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting



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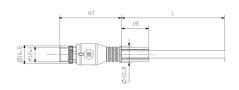
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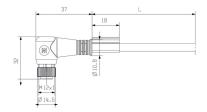
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Drawings

Dimensioned drawing

Dimensioned drawing



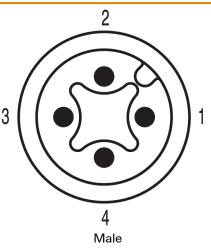


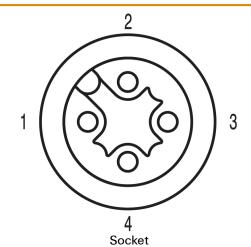
Angled socket

Male, straight

Pole scheme

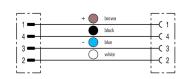
Pole scheme





Wiring diagram

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