

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com















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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.

Our sensor cables come with 360° shielding which provides protection against electromagnetic interference. Is there something you have not managed to find or you feel needs explanation? Talk to us!

General ordering data

Sensor/actuator line, Connecting line, M12 / M12, Number of poles: 5, 1.5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
<u>1058510150</u>
SAIL-M12GM12G-5S1.5U
4032248799862
1 items

Catalogue status / Drawings



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Technical data

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Approvals	160C-261 1612 144	_
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ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate no. (cULus)	E307231

Dimensions and weights

Net weight 98.8 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

Cable length	1.5 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm ²	Shielded	Yes
Halogen	No	Insulation	PP
Acceleration	5 m/s ²	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	2 Mio
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	200 m/s
Sheath material	PUR	Configurable cable length	No
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	blue, white, brown, grey, black	Torsion resistance	0 °/m
Temperature range, stationary	-4080 °C	Resistant to welding beads	No
Temperature range, moving	-2580 °C	Number of poles	5
Outside diameter	5.7 mm ± 0.2 mm		

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	60 V
Nominal current	4 A	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Diecast zinc
Temperature range of housing	-25+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Creation date 28.11.2025 01:07:58 MEZ

Catalogue status / Drawings 2





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Technical data

Electrical properties			
Insulation resistance	108 Ω	Nominal voltage	60 V
General standards			
Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
Standards			,
Connector standard	IEC 61076-2-101		
Plug, left			
Plug left	M12, A-coded, IP69, male contact, straight, Plastic, shielded		
Plug, right			'
Plug right	M12, A-coded, IP69, female contact, straight, Plastic, shielded		
Classifications			
ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	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
ECLASS 13.0 ECLASS 15.0	27-06-03-11 27-06-03-11	ECLASS 14.0	27-06-03-11
ECLA35 15.U	27-00-03-11		

Catalogue status / Drawings



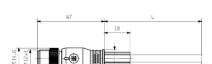
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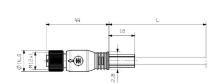
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Drawings

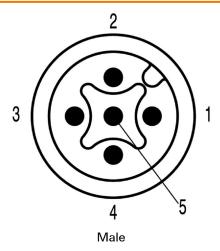
Dimensioned drawing





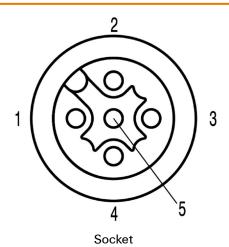
Straight socket

Pole scheme



Pole scheme

Dimensioned drawing







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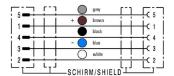
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Drawings

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