



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.

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 / M8, Number of poles: 3, 3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1009170300
Туре	SAIL-M12GM8G-3/4-3.0U
GTIN (EAN)	4032248713165
Qty.	1 items

Catalogue status / Drawings





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Technical data

Technical data			
Approvals	_		
Approvals			
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ROHS	Conform		
Dimensions and weights			
Diameter	3.6 mm	Net weight	88 g
Environmental Product Compl	iance		
RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	6c		
REACH SVHC	Lead 7439-92-1		
SCIP	1c533b66-fcff-4da5-b89f-fd	55fbf5cb55	
Technical specifications for ca	able		
Cable length	3 m	Sheathing colour	black (similar to RAL 9005)
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.25 mm ²	Shielded	No
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	5 Mio
Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2	Speed	3.33 m/s
Sheath material	PUR	Configurable cable length	No
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	Drain wire integrated	No
Colour coding	brown, blue, black	Torsion resistance	180 °/m
Temperature range, stationary	-5080 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-2560 °C
_ength of torsion Outside diameter	1 m 3.6 mm + 0.15 mm	Number of poles	3
General technical data	3.6 mm + 0.15 mm		
Jeneral Lecinnoal Uata			
Coding	M12 = A-coded / M8 = none	Connection thread	M12 / M8
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, IP69
Plugging cycles	≥ 100	Pollution severity	3
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Creation date 28.11.2025 06:19:38 MEZ

Temperature range of housing

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Yes

-25...+85 °C

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Threaded ring material

Tightening torque

Brass, nickel-plated, Diecast zinc

0.8 - 1.2 Nm

M8: 0.5 - 0.6 Nm, M12:





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Technical data

Electrical properties			<u> </u>
Insulation resistance	108 Ω	Nominal voltage	60 V
General standards			
Connector standard	IEC 61076-2-101, IEC 61076-2-104		
Standards			
	150 040 50 040 450		
Connector standard	IEC 61076-2-101, IEC 61076-2-104		
Plug, left			
DI L.C.	M40 A 1 1 1000		
Plug left	M12, A-coded, IP69, male contact, straight, Plastic, unshielded		
Plug, right			
Diversion by	M8, IP69, female contact,		
Plug right	straight, Plastic, LED, unshielded		
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	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		





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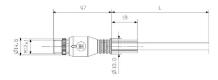
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Drawings

Dimensioned drawing

Dimensioned drawing



Male, straight

Straight socket

Pole scheme

Pole scheme

Male Socket





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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

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