

SAIL-M12GM12G-4S4.5U

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.

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

Version	Sensor/actuator line, Connecting line, M12 / M12, Number of poles : 4, 4.5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1058500450
Type	SAIL-M12GM12G-4S4.5U
GTIN (EAN)	4050118619638
Qty.	1 Stück

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Technische Daten

Dimensions and weights

Net weight 235.459 g

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	2 Mio
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	4.5 m	Colour coding	black, brown, white, blue
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
Hydrolysis and microbe resistant	Yes	Insulation	PP
Irradiation crosslinked	No	LABS-free	Yes
Number of poles	4	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	5.4 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 60332-2-2	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	black
Shielded	Yes	Speed	200 m/min
Suitable for cable carriers	Yes	Temperature range, moving	-25...80 °C
Temperature range, stationary	-40...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No		

General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ 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	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	250 V
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Technische Daten

Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP69
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	Yes
	Cable side	right
	Version of contact face	M12
	Coding of plug	A
	Protection degree (IP)	IP69
	Gender of contact	female contact
	Outlet direction	straight
Housing main material	Plastic	
Shielding available	Yes	
Plug left	M12, A, IP69, male contact, straight, Plastic, shielded	
Plug right	M12, A, IP69, female contact, straight, Plastic, shielded	

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 Product Compliance

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

Approvals

Approvals



ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

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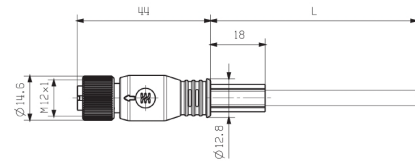
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Zeichnungen

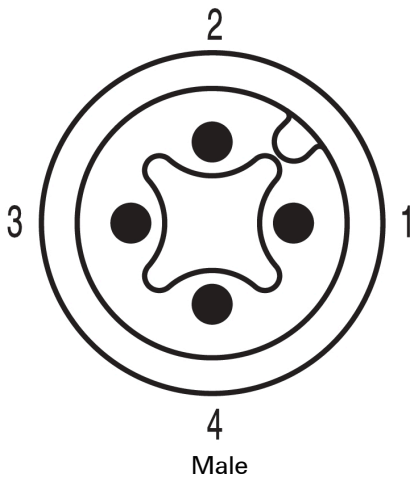
Dimensioned drawing



Dimensioned drawing



Pole scheme



Straight socket

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