

SAIL-M8GM8G-3-4.5U**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.

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, M8 / M8, Number of poles : 3, 4.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1824570450
Type	SAIL-M8GM8G-3-4.5U
GTIN (EAN)	4032248903979
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	110 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical specifications for cable

Acceleration	5 m/s²	
Bending cycles	12 Mio	
Bending radius, min., moving	10 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	
Cable length	4.5 m	
Colour coding	brown, blue, black	
Configurable cable length	No	
Core cross-section	0.25 mm²	
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	
Number of poles	3	
Number of poles	3	
Outer cladding in accordance with UL AWM style	20233/21198 (80 °C / 300 V)	
Outer diameter	4.1 ± 0.2 mm	
Outside diameter	4.1 mm ± 0.2 mm	
Outside diameter	Diameter	4.1 mm
	Signs	±
	Tolerance	0.2 mm
Resistance to oils	in accordance with IEC 60811:404	
Resistance to spread of flame	In accordance with UL1581 UL/ CUL FT1, in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, 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	
Temperature range, moving	-25...80 °C	
Temperature range, moving, max.	80 °C	
Temperature range, moving, min.	-25 °C	
Temperature range, stationary	-40...80 °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	none
Connection thread	M8 / M8	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	60 V
Temperature range of housing	-25...+80 °C	Threaded ring material	Diecast zinc
Tightening torque	M8: 0.5 - 0.6 Nm	Version	pin, straight - socket, straight
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



UL File Number Search

E307231

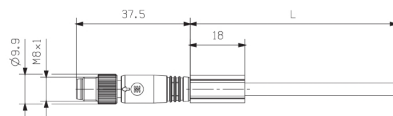
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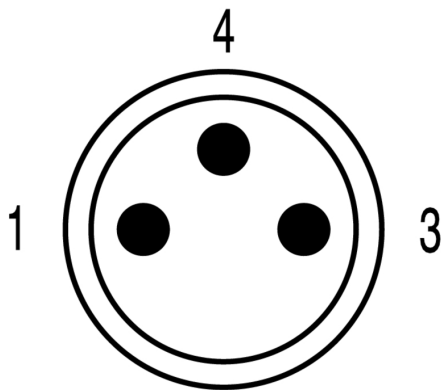
Drawings

Dimensioned drawing



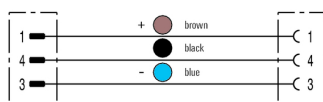
Male, straight

Pole scheme

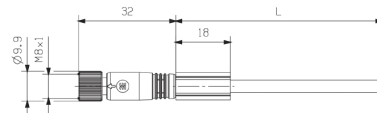


Male

Wiring diagram

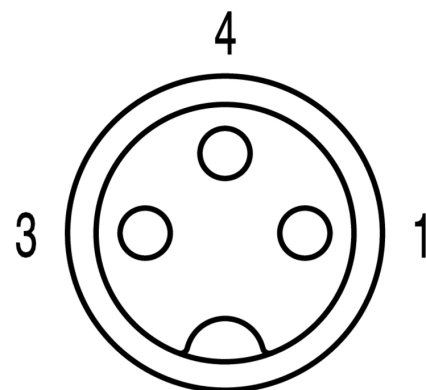


Dimensioned drawing



Straight socket

Pole scheme



Socket

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