

SAIL-M12BGM12G-5S8.5U**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, M12 / M12, Number of poles : 5, 8.5 m, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	2485140850
Type	SAIL-M12BGM12G-5S8.5U
GTIN (EAN)	4050118504408
Qty.	1 pc(s).

Creation date March 29, 2021 5:42:49 PM CEST

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Technical data**Dimensions and weights**

Net weight	300 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	2 Mio	
Bending radius, min., moving	10 x cable diameter	
Bending radius, min., stationary	5 x cable diameter	
Cable length	8.5 m	
Colour coding	blue, white, brown, grey, black	
Configurable cable length	No	
Core cross-section	0.34 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	
LABS-free	Yes	
Number of poles	5	
Number of poles	5	
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	
Outer diameter	5.7 ± 0.2 mm	
Outside diameter	Diameter	5.7 mm
	Signs	±
	Tolerance	0.2 mm
Outside diameter	5.7 mm ± 0.2 mm	
Resistance to oils	in accordance with IEC 60811:404	
Resistance to spread of flame	According to UL2556 FT2	
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, 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	0 °/m	

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Technical data**General technical data**

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	$10^8 \Omega$	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Rated current	4 A
Rated voltage	125 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
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

ROHS	Conform
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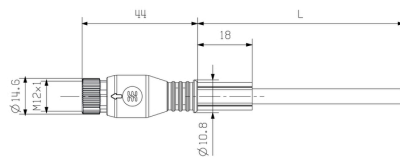
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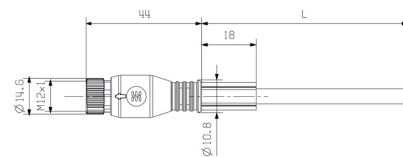
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Drawings

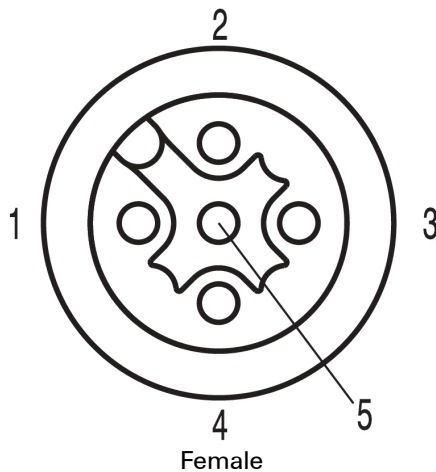
Dimensioned drawing



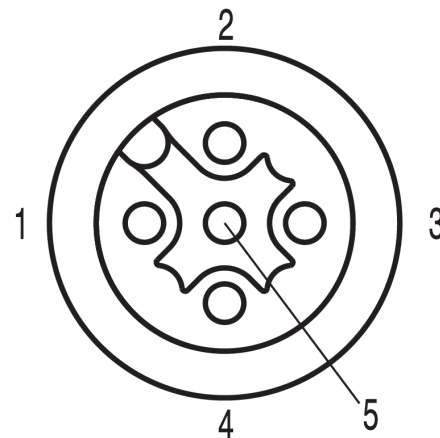
Dimensioned drawing



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