Data sheet

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, Female socket, straight - Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	2485140850
Type	SAIL-M12BGM12G-5S8.5U
GTIN (EAN)	4050118504408
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	300 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	8.5 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm²	Number of wires	5
Shielded	Yes	Halogen	No
Insulation	PP	Acceleration	5 m/s²
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	3 m/s	Sheath material	PUR
Cable length configurable	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)	Type is hybrid cable	No
Irradiation crosslinked	No	Welding spark resistance	No
Drain wire integrated	No	Colour coding	brown, white, blue, black, grey
Torsion resistance	180 °/m	Temperature range, stationary	-40...80 °C
Resistant to welding beads	No	Bending cycles at torsion	> 1 Mio.
Temperature range, moving	-25...80 °C	Torsional length	1 m
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	Female socket, straight - Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	Copper alloy
Nominal voltage	60 V	Nominal current	4 A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

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Electrical properties

Insulation resistance	108 Ω	Nominal voltage	60 V

General standards

Connector standard	IEC 61076-2-101

Standards

Connector standard	IEC 61076-2-101

Plug, left

Plug left	M12, A-coded, Number of poles: 5, female contact, straight, plug, shielded

Plug, right

Plug right	M12, A-coded, Number of poles: 5, female contact, straight, plug, shielded

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

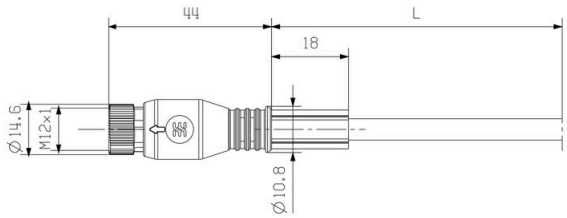
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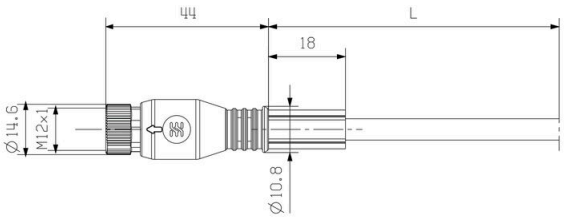
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Drawings

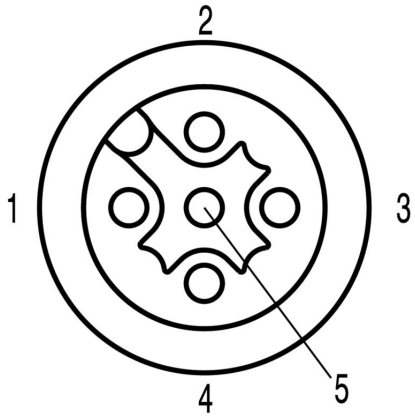
Dimensioned drawing



Dimensioned drawing

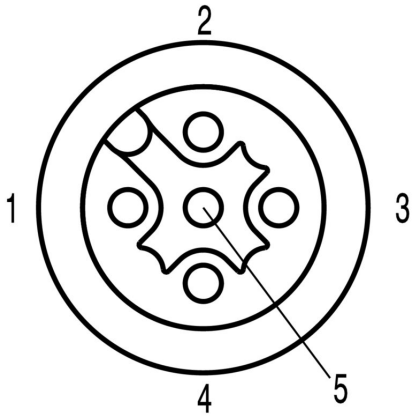


Pole scheme



Female

Pole scheme



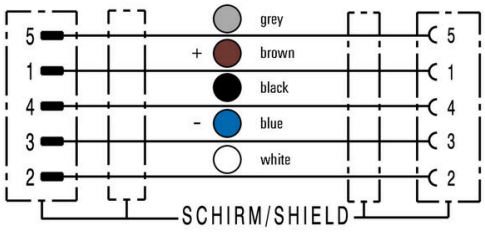
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Drawings

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