

SAIL-M12BG-5S20U**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, One end without connector, M12, Number of poles : 5, 20 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	9456142000
Type	SAIL-M12BG-5S20U
GTIN (EAN)	4050118080087
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E307231

Dimensions and weights

Net weight 926 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	20 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.34 mm ²	Number of wires	5
Shielded	Yes	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	2 Mio	Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2
Speed	200 m/min	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
Colour coding	blue, white, brown, grey, black	Torsion resistance	0 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Temperature range, moving	-25...80 °C	Number of poles	5

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	CuZn35PB2
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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www.weidmueller.com**Technical data****Electrical properties**

Insulation resistance	108 Ω	Nominal voltage	60 V
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General standards

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231
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Standards

Connector standard	IEC 61076-2-101
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Plug, left

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

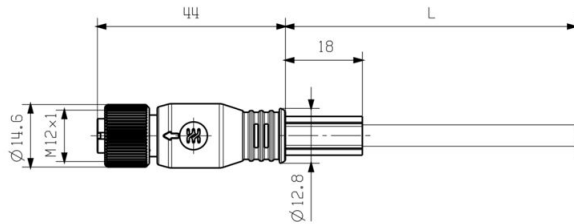
Plug right	Free conductor end
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Classifications

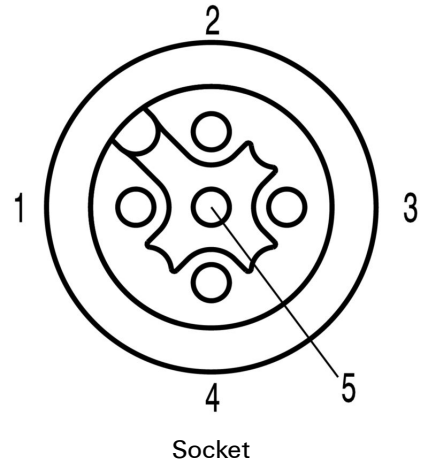
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Drawings

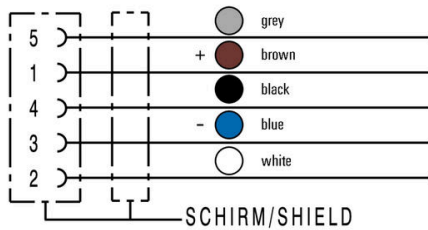
Dimensioned drawing



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

