

SAIL-M12BG-12-20U**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, One end without connector, M12, Number of poles : 12, 20 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1879712000
Type	SAIL-M12BG-12-20U
GTIN (EAN)	4032248850730
Qty.	1 pc(s).

Creation date September 16, 2022 8:58:17 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight 738 g

Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

SCIP

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bc8c-9bc5b598e2a9**Technical specifications for cable**

Acceleration	5 m/s ²	Bending cycles	1 mill.
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length		Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black
	20 m	Core cross-section	0.14 mm ²
Configurable cable length	No	Halogen	No
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Irradiation crosslinked	No
Insulation	PP	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Number of poles	12	Resistant to welding beads	No
Outside diameter	5.6 mm ± 0.2 mm	Sheathing colour	black
Sheath material	PUR	Speed	5 m/s
Shielded	No	Temperature range, moving	-25...80 °C
Suitable for cable carriers	Yes	Torsion resistance	180 °/m
Temperature range, stationary	-40...80 °C		
Welding spark resistance	No		

General technical data

Coding	A	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in, IP65, IP66	Rated current	1.5 A
Rated voltage	30 V	Temperature range of housing	-40 ... +85 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	Female socket, straight	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated current	2 A (8-pole) / 1.5 A (12- pole)
Rated voltage	30 V		

General standards

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

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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

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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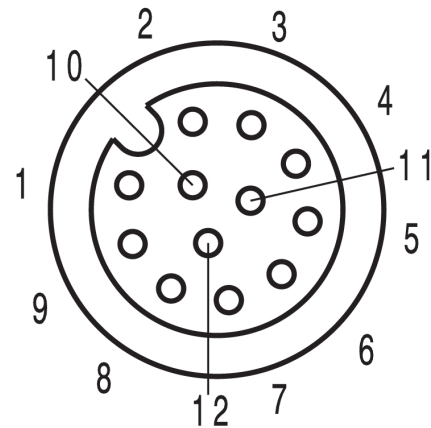
www.weidmueller.com

Drawings

Dimensioned drawing

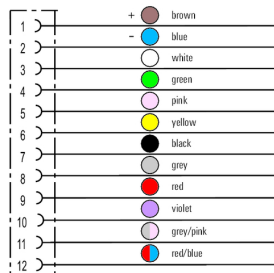


Pole scheme



Socket

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