

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 March 26, 2021 2:46:13 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	738 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	1 mill.		
Bending radius, min., moving	10 x cable diameter		
Bending radius, min., stationary	5 x cable diameter		
Cable length	20 m		
Colour coding	yellow, pink, grey / pink, green, white, blue, violet, brown, red, grey, red / blue, black		
Configurable cable length	No		
Core cross-section	0.14 mm²		
Core in accordance with UL AWM style	10493 (80 °C / 300 V)		
Halogen	No		
Housing main material	PUR		
Insulation	PP		
Number of poles	12		
Number of poles	12		
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)		
Outer diameter	5.6 ± 0.2 mm		
Outside diameter	Diameter	5.6 mm	
	Signs	±	
	Tolerance	0.2 mm	
Outside diameter	5.6 mm ± 0.2 mm		
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	180 °/m		

General technical data

AF size	12 mm	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
Rated current	1.5 A	Rated voltage	30 V
Temperature range of housing	-25...+80 °C	Threaded ring material	Brass, nickel-plated
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Female socket, straight
jumped	No		

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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



ROHS	Conform
UL File Number Search	E307231

Downloads

Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

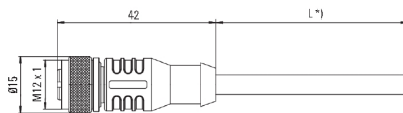
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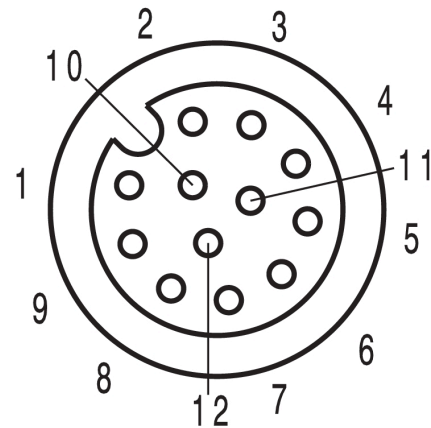
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Drawings

Dimensioned drawing

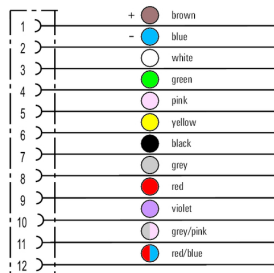


Pole scheme



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