

SAIL-M12G-4-20U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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

Type	SAIL-M12G-4-20U
Order No.	9456102000
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 4, 20 m, pin, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118164312
Qty.	1 pc(s).

SAIL-M12G-4-20U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**Dimensions and weights**

Net weight	617 g
------------	-------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Technical specifications for cable

Number of poles	4	Core cross-section	0.34 mm ²
Outside diameter	4.7 ± 0.2 mm	Cable length	20 m
Shielded	No	Insulation	PP
Colour coding	brown, white, blue, black	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Core in accordance with UL AWM style		Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Suitable for cable carriers	Yes	Torsion resistance	360 °/m
Bending radius, min., stationary	5 x cable diameter	Bending radius, min., moving	10 x cable diameter
Acceleration	5 m/s ²	Speed	5 m/s
Bending cycles	2 Mio	Resistant to welding beads	No
Hybrid cable	No	Irradiation crosslinked	No
Configurable cable length	No	Hydrolysis and microbe resistant	Yes
LABS-free		Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with IEC 60332-1-3, in accordance with IEC 60332-2-2, in accordance with UL1581 UL/ CUL FT1
	Yes		

General technical data

Version	pin, straight	Connection thread	M12
Housing main material	PUR	Threaded ring material	Diecast zinc
Coding		Protection degree	IP65, IP66, IP67, IP68, when screwed in
	A	LED	No
Contact surface	Gold-plated	Rated current	4 A
Rated voltage	250 V	Temperature range of housing	-25...+85 °C
Insulation strength	10 ⁸ Ω	Plugging cycles	≥ 100
Tightening torque	M12: 0.8 - 1.2 Nm	jumpered	No
Pollution severity	3		

Standards

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

Classifications

ETIM 5.0	EC001855	ETIM 6.0	EC001855
eClass 6.2	27-27-92-18	eClass 7.1	27-27-92-18
eClass 8.1	27-27-92-18	eClass 9.0	27-06-03-11
eClass 9.1	27-06-03-11		

SAIL-M12G-4-20U

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue

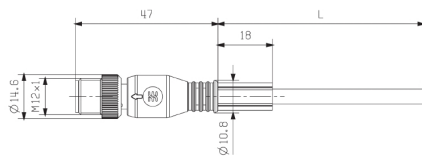
[FL FIELDWIRING EN](#)

SAIL-M12G-4-20U

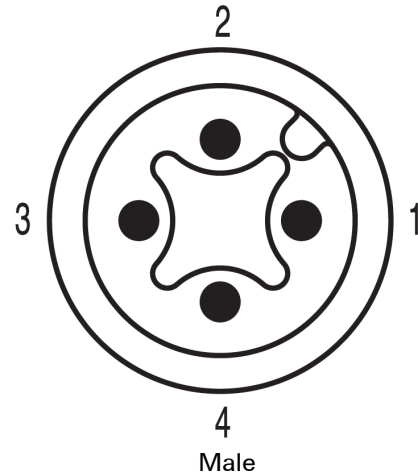
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

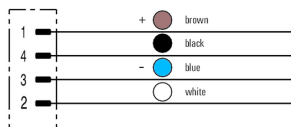
Dimensioned drawing



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