SAIL-M12G-4S20U

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 : 4, 20 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1906482000
Type	SAIL-M12G-4S20U
GTIN (EAN)	4050118408485
Qty.	1 pc(s).

Creation date March 26, 2021 7:13:17 AM CET

SAIL-M12G-4S20U

Technical data

Dimensions and weights

Net weight	841 g

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s²		
Bending cycles	2 Mio		
Bending radius, min., moving	10 x cable diameter		
Bending radius, min., stationary	5 x cable diameter		
Cable length	20 m		
Colour coding	black, brown, white, blue		
Configurable cable length	No		
Core cross-section	0.34 mm²		
Core in accordance with UL AWM style	10493 (80 °C / 300 V)		
Halogen	No		
Housing main material	PUR		
Hydrolysis and microbe resistant	Yes		
Insulation	PP		
LABS-free	Yes		
Number of poles	4		
Number of poles	4		
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)		
Outer diameter	5.4 ± 0.2 mm		
Outside diameter		Diameter	5.4 mm
		Signs	±
		Tolerance	0.2 mm
Outside diameter	5.4 mm ± 0.2 mm		
Resistance to oils	in accordance with IEC 60811:404		
Resistance to spread of flame	According to UL2556 FT2		
Resistant to welding beads	No		
Sheath material	PUR		
Sheathing colour	black		
Shielded	Yes		
Speed	200 m/min		
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	0 °/m		

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Technical data

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	IP65, IP66, IP67, IP68, when screwed in	Rated current	
			4 A
Rated voltage	250 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Diecast zinc	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight	jumpered	No

Classifications

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

SAIL-M12G-4S20U

Drawings

Dimensioned drawing
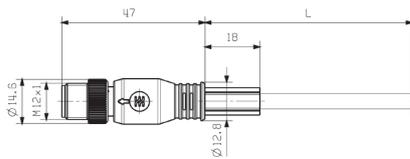
Pole scheme

Male
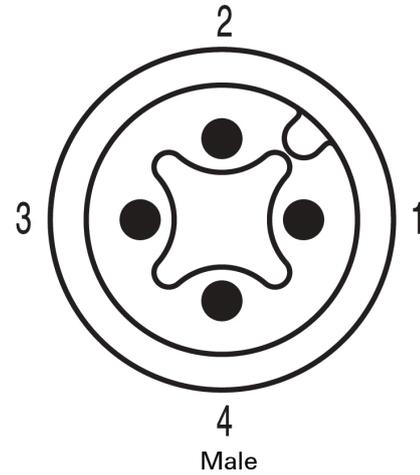
Wiring diagram
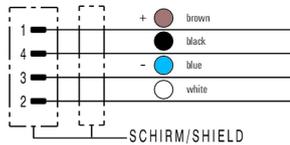
The ideal tool: Screwty $^{®}$ with torque function

1	+	brown	
4		black	
3	−	blue	
2		white	

SCHIRM/SHIELD

Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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