

SAIL-M12GM8G-3-20U

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, Connecting line, M12 / M8, Number of poles : 3, 20 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457772000
Type	SAIL-M12GM8G-3-20U
GTIN (EAN)	4032248726554
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Diameter	3.6 mm	Net weight	502.48 g
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	bd63baef-8092-4596-90c7-5b4daa22710b

Technical specifications for cable

Cable length	20 m	Sheathing colour	black (similar to RAL 9005)
Resistance to oils	Yes	Suitable for cable carriers	Yes
Core cross-section	0.25 mm ²	Shielded	No
Halogen	No	Acceleration	5 m/s ²
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2
Speed	3.33 m/s	Sheath material	PUR
Configurable cable length	No	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)
Irradiation crosslinked	No	Welding spark resistance	No
Drain wire integrated	No	Colour coding	brown, blue, black
Torsion resistance	180 °/m	Temperature range, stationary	-50...80 °C
Resistant to welding beads	No	Bending cycles at torsion	> 5 Mio.
Temperature range, moving	-25...60 °C	Length of torsion	1 m
Number of poles	3	Outside diameter	3.6 mm + 0.15 mm

General technical data

Connection thread	M12 / M8	Contact surface	Gold-plated
LED	No	Version	pin, straight - socket, straight
Housing main material	PUR	Insulation resistance	108 Ω
Nominal current	4 A	Protection degree	IP69, IP65, IP66
Plugging cycles jumpered	≥ 100	Pollution severity	3
Temperature range of housing	-25...+85 °C	Threaded ring material	Brass, nickel-plated, Diecast zinc
		Tightening torque	M8: 0.5 - 0.6 Nm, M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance	108 Ω
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Technical data**Plug, left**

Plug left	M12, A-coded, IP69, male contact, straight, Plastic, unshielded
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Plug, right

Plug right	M8, IP69, female contact, straight, Plastic, LED, unshielded
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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		

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Drawings

Dimensioned drawing

Dimensioned drawing

Male, straight

Straight socket

Pole scheme

Pole scheme



Drawings

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