Data sheet

SAIL-M12GM8G-3-0.1U

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, Number of poles : 3, pin, straight - socket, straight, Shielded: No, Sheath material: PUR, Halogen: No
Order No.	9457770010
Type	SAIL-M12GM8G-3-0.1U
GTIN (EAN)	4050118223873
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Diameter	3.6 mm	Net weight	14.08 g

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

Sheathing colour	black (similar to RAL 9005)	Resistance to oils	Yes
Suitable for cable carriers	Yes	Core cross-section	0.25 mm²
Shielded	No	Halogen	No
Acceleration	5 m/s²	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	Cable length configurable	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
Torsional length	1 m	Number of poles	3
Outside diameter	3.6 mm + 0.15 mm		

General technical data

Contact surface	Gold-plated	Version	pin, straight - socket, straight
Housing main material	PUR	Insulation resistance	108 Ω
Nominal current	4 A	Protection degree	IP69, IP65, IP66
Plugging cycles	≥ 100	Pollution severity	3
Threaded ring material	Brass, nickel-plated, Diecast zinc	Temperature range of housing	-25...+85 °C

Electrical properties

Insulation resistance	108 Ω

Plug, left

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

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Technical data

Plug, right

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

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

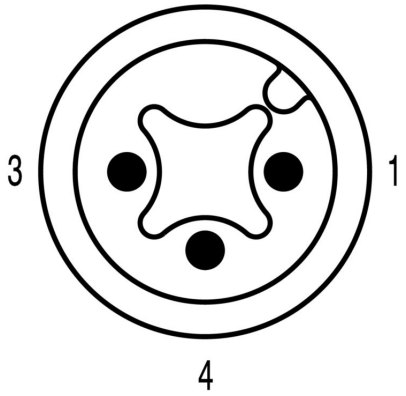
Dimensioned drawing

Male, straight

Dimensioned drawing

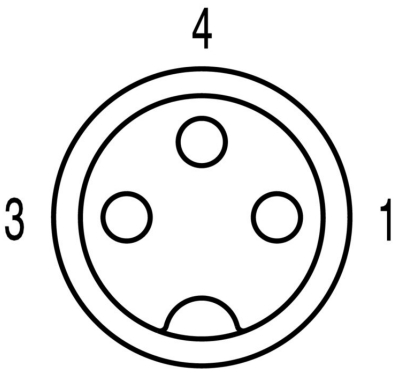
Straight socket

Pole scheme



Male

Pole scheme



Socket

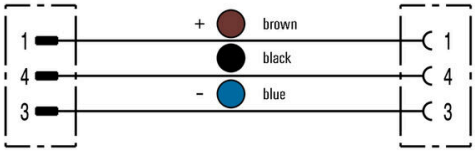
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Drawings

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