SAIL-M12GM12W-8S0.1U

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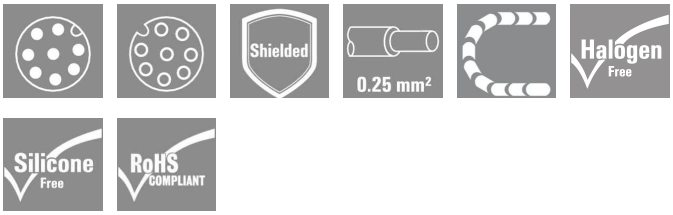

Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, 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

Type	SAIL-M12GM12W-8S0.1U
Order No.	1279470010
Version	Sensor/actuator line, Connecting line, M12 / M12, No. of poles: 8, 0.1 m, pin, straight - socket, 90°, shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4050118149043
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Net weight	40 g

Technical specifications for cable

No. of poles	8	Core cross-section	0.25 mm²
shielded	Yes	Insulation	PP
Colour coding	Blue, Red, White, Brown, Green, Yellow, Grey, Pink	Sheath material	PUR
Sheathing colour	Black	Outer diameter	6.3 ± 0.2 mm
Cable length	0.1 m	Temperature range, moving, min.	-25 °C
Temperature range, moving, max.	80 °C	Temperature range, stationary, min.	-40 °C
Temperature range, stationary, max.	80 °C	Halogen	No
Suitable for cable carriers	Yes	Torsion resistance	0 °/m
Bending radius, min., stationary	5 x cable diameter	Bending radius, min., moving	12 x cable diameter
Acceleration	5 m/s²	Speed	100 m/min
Bending cycles	250.000	Resistant to welding beads	No

General technical data

Version	pin, straight - socket, 90°	Contact tube diameter	M12 / M12
Housing main material	PUR	Threaded ring material	Brass, nickel-plated
Coding	A	Protection degree	IP 67, (when screwed in)
Contact surface	Gold-plated	LED	No
Rated voltage	30 V	Rated current	2 A
Insulation resistance	10^8 Ω	Temperature range of housing	-25...+85 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No

Classifications

eClass 6.2	27-06-91-90

Approvals

ROHS	Conform

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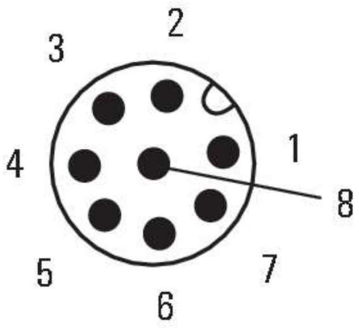
Zeichnungen

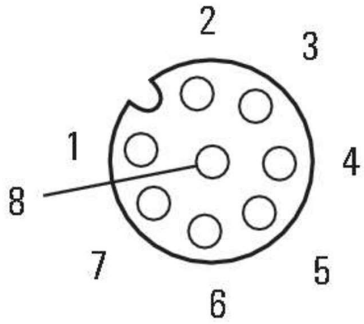
Dimensioned drawing

Dimensioned drawing

Pole scheme



Pole scheme



Wiring diagram

The ideal tool, the 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