SAIL-M12GM12G-8-1.0U

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 / M12, Number of poles : 8, 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1279440100
Type	SAIL-M12GM12G-8-1.0U
GTIN (EAN)	4050118517606
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	65 g

Technical specifications for cable

Acceleration	5 m/s²	Bending cycles	1 mill.
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	1 m	Colour coding	blue, red, white, brown, green, yellow, grey, pink
Configurable cable length	No	Core cross-section	0.25 mm²
Core in accordance with UL AWM style	10493 (80 °C / 300 V)	Halogen	No
Insulation	PP	Irradiation crosslinked	No
Number of poles	8	Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)
Outside diameter	5.9 mm ± 0.2 mm	Resistant to welding beads	No
Sheath material	PUR	Sheathing colour	black
Shielded	No	Speed	5 m/s
Suitable for cable carriers	Yes	Temperature range, moving	-25...80 °C
Temperature range, stationary	-40...80 °C	Torsion resistance	180 °/m
Welding spark resistance	No		

General technical data

Coding	A	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10^8 Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in, IP69, IP65, IP66	Rated current	2 A
Rated voltage	30 V	Temperature range of housing	-40 ... +85 ° C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength	10^8 Ω	Rated current	2 A (8-pole) / 1.5 A (12-pole)
Rated voltage	30 V		

General standards

Certificate no. (cULus)	E307231

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	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	ECLASS 12.0	27-06-03-11

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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SAIL-M12GM12G-8-1.0U

Technical data

Approvals

Approvals

ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

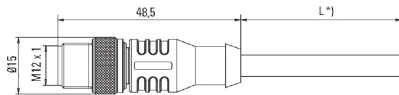Creation date March 16, 2023 3:54:31 PM CET

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Drawings

Dimensioned drawing

Male, straight

Pole scheme

Male
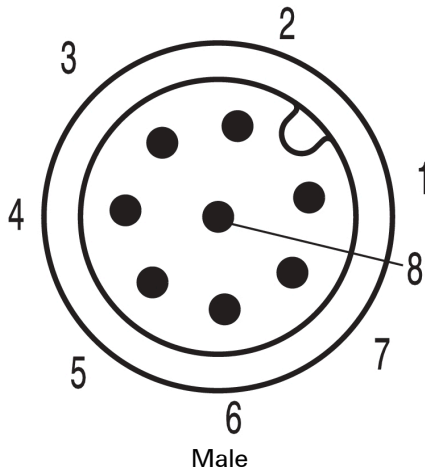
Wiring diagram
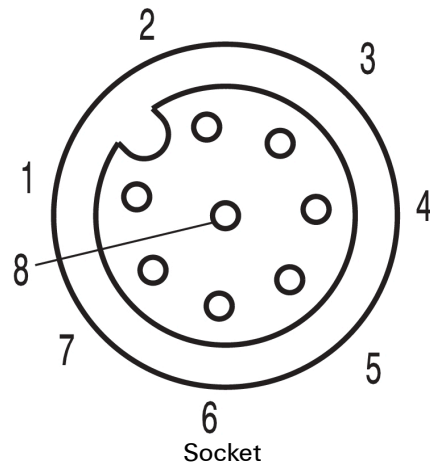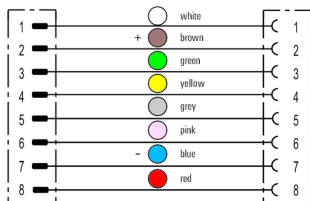

Dimensioned drawing
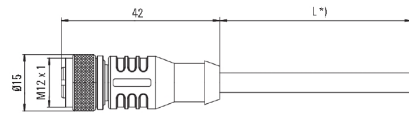
Straight socket

Pole scheme

Socket

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

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