

SAIL-M12GM8W-4-1.5U

Weidmüller Interface GmbH & Co. KG
 Klingenbergsstraße 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 : 4, 1.5 m, pin, straight - socket, 90°, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9456670150
Type	SAIL-M12GM8W-4-1.5U
GTIN (EAN)	4032248403813
Qty.	1 items

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Technical data

Approvals

Approvals



RoHS Conform

Dimensions and weights

Net weight 48.4 g

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 6c

REACH SVHC Lead 7439-92-1

SCIP 1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

Cable length	1.5 m	Sheathing colour	black
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.25 mm ²	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s ²	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Bending cycles	12 Mio
Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	No
LABS-free	Yes	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
Colour coding	brown, white, blue, black	Torsion resistance	360 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Bending cycles at torsion	> 5 Mio.	Temperature range, moving	-25...80 °C
Length of torsion	1 m	Number of poles	4
Outside diameter	4.4 mm ± 0.2 mm		

General technical data

Coding	M12 = A-coded, M8 = none	Connection thread	M12 / M8
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, 90°;	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 V
Nominal current	4 A	AF size	12 mm
Protection degree	IP65, IP66, IP67, IP68, IP69, when screwed in	Plugging cycles	≥ 100
Pollution severity	3	jumpered	No
Threaded ring material	Brass, nickel-plated, Diecast zinc	Temperature range of housing	-25...+85 °C

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Tightening torque M8: 0.5 - 0.6 Nm, M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance 108 Ω Nominal voltage 30 V

General standards

Connector standard IEC 61076-2-101, IEC 61076-2-104

Standards

Connector standard IEC 61076-2-101, IEC 61076-2-104

Plug, left

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

Plug, right

Plug right	M8, IP69, female contact, angled 90°, Plastic, LED, unshielded
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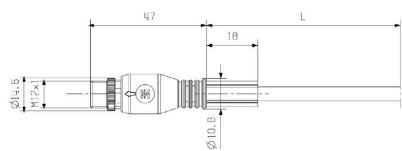
Classifications

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		

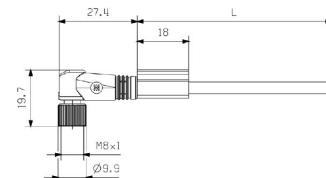
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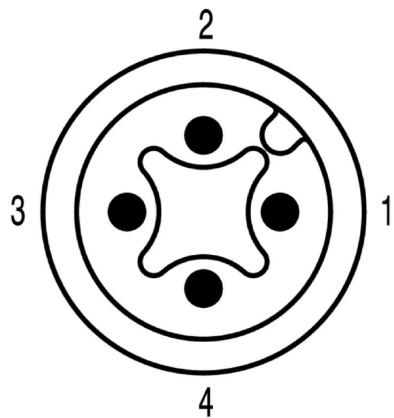
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Drawings**Dimensioned drawing**

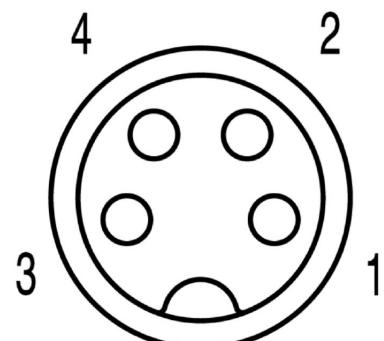
Male, straight

Dimensioned drawing

Angled socket

Pole scheme

Male

Pole scheme

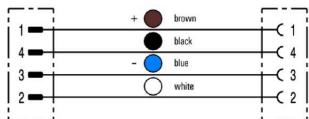
Socket

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Drawings

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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