Data sheet

SAIL-M8GM12W-3L2.0U

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, M8 / M12, Number of poles : 3, 2 m, pin, straight - socket, 90°, Shielded: No, LED: Yes, Sheath material: PUR, Halogen: No
Order No.	1026210200
Type	SAIL-M8GM12W-3L2.0U
GTIN (EAN)	4032248751341
Qty.	1 items

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Technical data

Approvals

Approvals	CE
ROHS	Conform

Dimensions and weights

Diameter	3.6 mm	Net weight	52.8 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

Cable length	2 m	Sheathing colour	black (similar to RAL 9005)
Resistance to oils	Yes	PE function	No
Suitable for cable carriers	Yes	Core cross-section	0.25 mm²
Shielded	No	Halogen	No
Insulation	PP	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

Coding	A-coded	Connection thread	M8 / M12
Contact surface	Gold-plated	LED	Yes
Version	pin, straight - socket, 90°	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	CuZn35PB2
Nominal voltage	24 V	Nominal current	4 A
Protection degree	IP65, IP66, IP67, IP68, 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
Tightening torque	M8: 0.5 - 0.6 Nm, M12: 0.8 - 1.2 Nm		

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Electrical properties

Insulation resistance	108 Ω	Nominal voltage	24 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	connector, M8, Number of poles: 3, IP69, male contact, straight, unshielded

Plug, right

Plug right	connector, M12, A-coded, Number of poles: 3, IP69, female contact, angled 0°, 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		

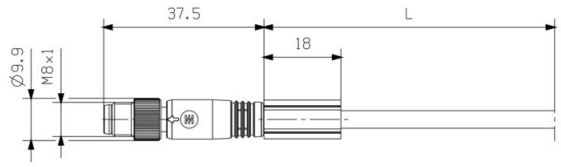
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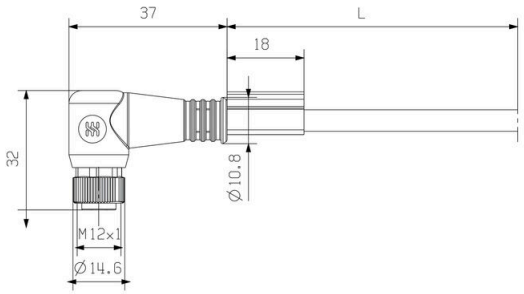
Drawings

Dimensioned drawing



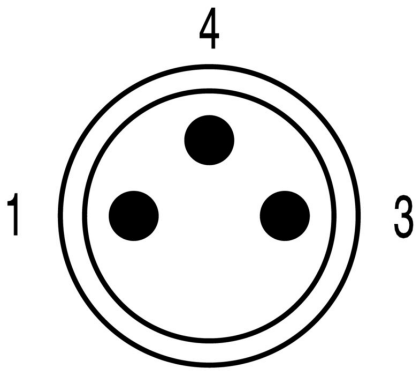
Male, straight

Dimensioned drawing



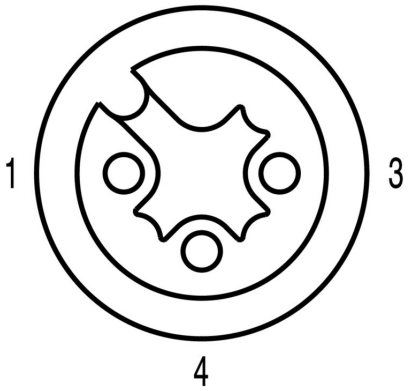
Angled socket

Pole scheme



Male

Pole scheme



Socket

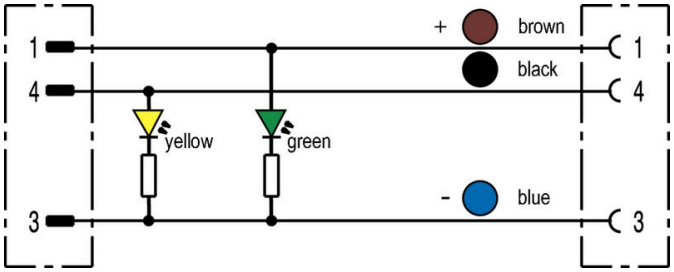
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Drawings

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