

SAIL-ZW-M8BG-3-1.0U

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 : 3, 1 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	9457490100
Type	SAIL-ZW-M8BG-3-1.0U
GTIN (EAN)	4032248877676
Qty.	1 items

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Technical data

Approvals

Approvals



RoHS Conform

Dimensions and weights

Net weight 57.2 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 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 IEC 60332-2-2, In accordance with UL1581 UL / CUL FT2	Speed	5 m/s
Sheath material	PUR	Configurable cable length	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	Colour coding	brown, 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	3	Outside diameter	4.1 mm ± 0.2 mm

General technical data

Connection thread	M12 / M8	Contact surface	Gold-plated
LED	No	Version	Female socket, straight
Housing main material	PUR	Insulation resistance	108 Ω
Nominal voltage	60 V	Nominal current	4 A
Protection degree	IP67, IP68, when screwed in, IP65, IP66	Plugging cycles	≥ 100
Pollution severity	3	Threaded ring material	Diecast zinc, Brass, nickel-plated
Temperature range of housing	-25...+85 °C		

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	60 V
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Technical data**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, IP68, male contact, straight, Plastic, unshielded

Plug, right

Plug right M8, IP68, female contact, straight, Plastic, unshielded, M8, IP68, female contact, straight, Plastic, unshielded

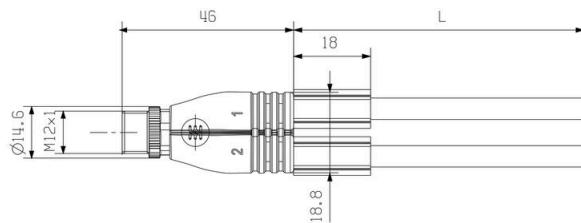
Classifications

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		

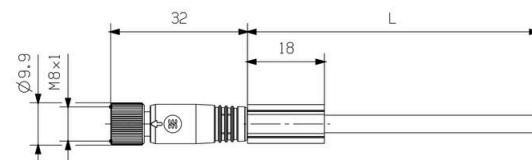
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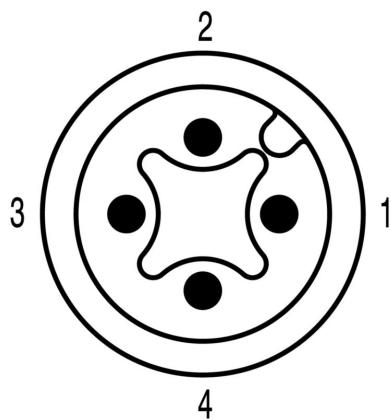
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Drawings**Dimensioned drawing**

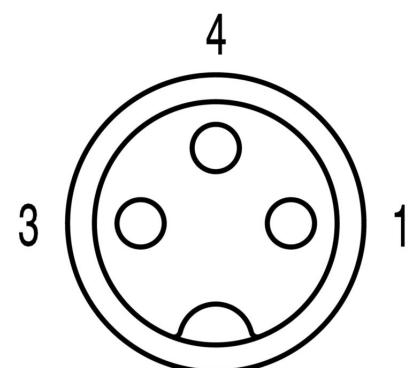
Twin male connector, straight

Dimensioned drawing

Straight socket

Pole scheme

Twin male connector

Pole scheme

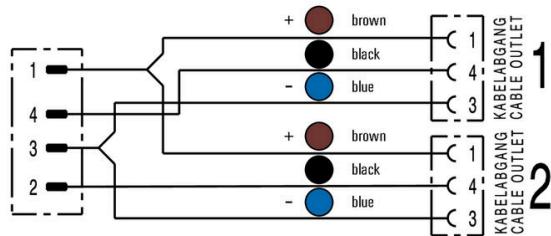
Socket

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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