

SAIL-ZW-M12BG-3-3.0V**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, M12 / M12, Number of poles : 3, 3 m, Twin cabling, pin, straight, 2x socket, straight, Shielded: No, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	1171890300
Type	SAIL-ZW-M12BG-3-3.0V
GTIN (EAN)	4050118275650
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	220.88 g
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Technical specifications for cable

Cable length	3 m	Colour coding	brown, blue, black
Configurable cable length	No	Core cross-section	0.34 mm ²
Halogen	Yes	Insulation	PVC
Number of poles	3	Outer cladding in accordance with UL AWM style	2464 (80 °C / 300 V)
Outside diameter	4.9 mm ± 0.2 mm	Resistant to welding beads	No
Sheath material	PVC	Sheathing colour	black
Shielded	No	Suitable for cable carriers	No
Temperature range, moving	-5...80 °C	Temperature range, stationary	-30...80 °C
Torsion resistance	0 °/m	Welding spark resistance	No

General technical data

AF size	12 mm	Coding	A-coded
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, IP68, when screwed in, IP65, IP66
Rated current	4 A	Rated voltage	250 V
Temperature range of housing	-25...+85 °C	Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Twin cabling, pin, straight, 2x socket, straight
jumpered	No		

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	250 V
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General standards

Certificate no. (cULus)	E307231	Connector standard	IEC 61076-2-101
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Standards

Connector standard	IEC 61076-2-101
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Plug, left

Plug left	M12, A-coded, IP68, male contact, straight, Plastic, unshielded
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Plug, right

Plug right	M12, A-coded, IP68, female contact, straight, Plastic, unshielded, M12, A-coded, IP68, female contact, straight, Plastic, unshielded
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Creation date June 13, 2025 8:47:06 PM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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Technical data**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-13	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Product Change Notification	DE - Technische Änderung zu M12 Gewinding mit 6-Kant EN - Technical change to M12 nut with additional hexagonal mounting
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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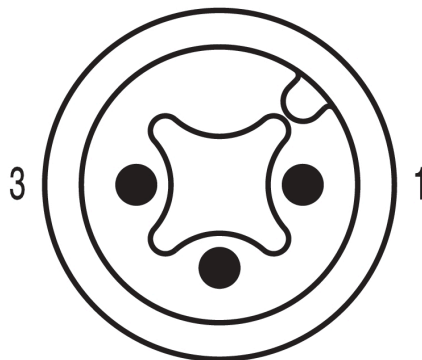
Drawings

Dimensioned drawing



Twin male connector, straight

Pole scheme

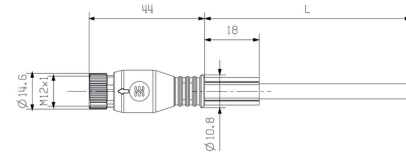


4
Twin male connector

Wiring diagram

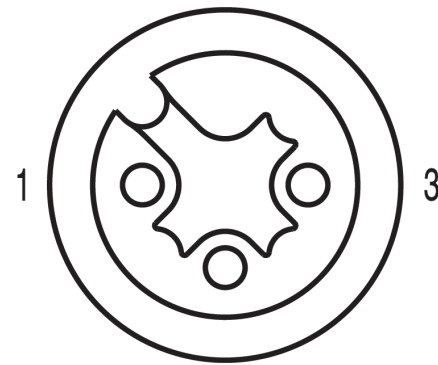


Dimensioned drawing



Straight socket

Pole scheme



4
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