

SAIL-ZW-M12BG-3-0.3U

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, 0.3 m, Twin cabling, pin, straight, 2x socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1005460030
Type	SAIL-ZW-M12BG-3-0.3U
GTIN (EAN)	4032248811540
Qty.	1 pc(s).

Creation date February 5, 2024 10:31:15 AM CET

Catalogue status 27.01.2024 / We reserve the right to make technical changes.

SAIL-ZW-M12BG-3-0.3U

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Net weight 46.4 g

Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	12 Mio
Bending cycles at torsion	> 5 Mio.	Bending radius, min., moving	10 x cable diameter
Bending radius, min., stationary	5 x cable diameter	Cable length	0.3 m
Colour coding	brown, blue, black	Configurable cable length	No
Core cross-section	0.34 mm ²	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Halogen	No	Hydrolysis and microbe resistant	Yes
Insulation	PP	LABS-free	Yes
Length of torsion	1 m	Number of poles	3
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Outside diameter	4.3 mm ± 0.2 mm
Resistance to oils	in accordance with IEC 60811:404	Resistance to spread of flame	In accordance with UL1581 UL / CUL FT2, in accordance with IEC 60332-2-2
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	360 °/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 10⁸ Ω Rated voltage 250 V

General standards

Certificate No. (CSA) 200039-2372994 Certificate no. (cULus) E307231
 Connector standard IEC 61076-2-101

Standards

Connector standard IEC 61076-2-101

SAIL-ZW-M12BG-3-0.3U**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Plug**

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

Classifications

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	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	27060311

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Approvals

Approvals



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

Downloads

Engineering Data	CAD data – STEP
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

Data sheet

SAIL-ZW-M12BG-3-0.3U

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Drawings

Dimensioned drawing



Twin male connector, straight

Pole scheme



Twin male connector

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