

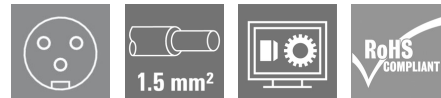
**SAIL-7/8BG-3-1.5U****Weidmüller Interface GmbH & Co. KG**

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.

The 7/8" cables tend to be used for power supply applications.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

Version	Sensor/actuator line, One end without connector, 7/8", Number of poles : 3 (2 + PE), 1.5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1292100150</a>
Type	SAIL-7/8BG-3-1.5U
GTIN (EAN)	4050118089417
Qty.	1 pc(s).

Creation date December 4, 2023 8:23:28 AM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Net weight 150 g

**Technical specifications for cable**

Bending radius, min., moving	7.5 x cable diameter	Cable length	1.5 m
Colour coding	blue, brown, Green/yellow	Configurable cable length	No
Core cross-section	1.5 mm <sup>2</sup>	Halogen	No
Insulation	TPM	Irradiation crosslinked	No
Number of poles	3 (2 + PE)	Outer cladding in accordance with UL	
Outside diameter	7.4 mm ± 0.2 mm	AWM style	20234 (80 °C / 1000 V)
Resistant to welding beads	No	PE function	Yes
Sheathing colour	black	Sheath material	PUR
Suitable for cable carriers	Yes	Shielded	No
Temperature range, stationary	-50...80 °C	Temperature range, moving	-20...80 °C
Welding spark resistance	No	Torsion resistance	0 °/m

**General technical data**

Coding	none	Connection thread	7/8"
Contact material	CuZn	Contact surface	Au (Gold)
Housing main material	PUR	Insulation strength	10 <sup>8</sup> Ω
LED	No	Plugging cycles	≥ 100
Pollution severity	3	Protection degree	IP68, when screwed in
Rated current	12 A	Rated impulse voltage	2,500 V
Rated voltage	300 V	Rated voltage (UL)	600 V
Temperature range of housing	-40 ... +85 °C	Threaded ring material	Diecast zinc
Version	Female socket, straight	jumpered	No

**Electrical properties**

Insulation strength	10 <sup>8</sup> Ω	Rated current	9 A (4- and 5-pole), 12 A (3-pole)
Rated voltage	300 V	Volume resistance	≤3 mΩ

**General standards**

Certificate no. (cULus) E307231

**Plug**

Plug	Cable side	left
	Version of contact face	7/8"
	Protection degree (IP)	IP68
	Gender of contact	female contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	No
	Cable side	right
	Version of cable end [In-Block]	free conductor end
	Plug left	7/8", IP68, female contact, straight, Plastic, unshielded
Plug right	free conductor end	

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**Technical data****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	27-06-03-11
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	ebf89fc8-a87f-4691-b87a-dfb9921774b4

**Approvals**

Approvals



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

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">FL FIELDWIRING EN</a>

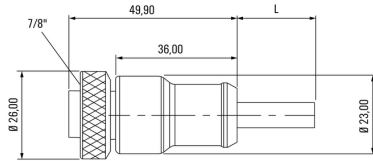
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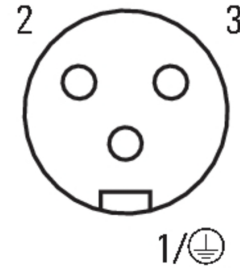
**Drawings**

**Dimensioned drawing**



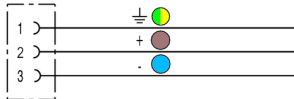
Straight socket

**Pole scheme**



Socket

**Wiring diagram**



**The ideal tool: Screwty<sup>®</sup> 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