SAIL-7/8BG-3-5.0U

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.
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), 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1292100500
Type	SAIL-7/8BG-3-5.0U
GTIN (EAN)	4050118089196
Qty.	1 pc(s).

Creation date December 4, 2023 1:03:36 PM CET

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Technical data

Dimensions and weights

Net weight	250 g

Technical specifications for cable

Bending radius, min., moving	7.5 x cable diameter	Cable length	5 m
Colour coding	blue, brown, Green/yellow	Configurable cable length	No
Core cross-section	1.5 mm²	Halogen	No
Insulation	TPM	Irradiation crosslinked	No
Number of poles	3 (2 + PE)	Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)
Outside diameter	7.4 mm ± 0.2 mm	PE function	Yes
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Suitable for cable carriers	Yes	Temperature range, moving	-20...80 °C
Temperature range, stationary	-50...80 °C	Torsion resistance	0 °/m
Welding spark resistance	No		

General technical data

Coding	none	Connection thread	7/8"
Contact material	CuZn	Contact surface	Au (Gold)
Housing main material	PUR	Insulation strength	10^8 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	10^8 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	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals	c UL us LISTED
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

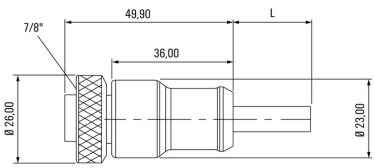
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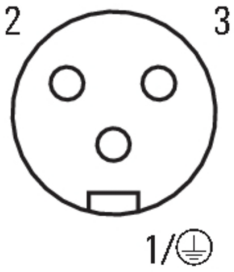
Drawings

Dimensioned drawing



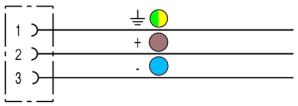
Straight socket

Pole scheme



Socket

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