Data sheet

SAIL-7/8BG-5-16U

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, 7/8", Number of poles : 5 (4 + PE), 16 m, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1292191600
Type	SAIL-7/8BG-5-16U
GTIN (EAN)	4050118623987
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-09-30T00:00:00+02:00
Alternative product	SAIL-7/8BG-5-15U

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	1000 g

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Cable length	16 m	Sheathing colour	black
PE function	Yes	Suitable for cable carriers	Yes
Core cross-section	1.5 mm²	Shielded	No
Halogen	No	Insulation	TPM
Bending radius, min., moving	7.5 x cable diameter	Bending cycles	5 Mio
Sheath material	PUR	Cable length configurable	No
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	brown, white, blue, black, Green/yellow
Torsion resistance	0 °/m	Temperature range, stationary	-50...80 °C
Resistant to welding beads	No	Temperature range, moving	-20...80 °C
Number of poles	5 (4 + PE)	Outside diameter	8.7 mm ± 0.2 mm

General technical data

Coding	none	Connection thread	7/8"
Contact surface	Au (Gold)	LED	No
Housing main material	PUR	Insulation resistance	108 Ω
Contact material	CuZn	Nominal voltage	300 V
Nominal current	9 A	Protection degree	IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Rated impulse voltage	2500 V
Rated voltage (UL)	600 V	Threaded ring material	Diecast zinc
Temperature range of housing	-40 ... +85 ° C		

Electrical properties

Volume resistance	≤3 mΩ	Insulation resistance	108 Ω
Nominal voltage	300 V		

Plug, left

Plug left	7/8", IP68, female contact, straight, Plastic, unshielded

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Technical data

Plug, right

Plug right	free conductor end

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		

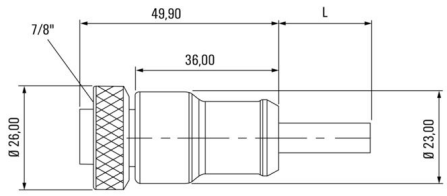
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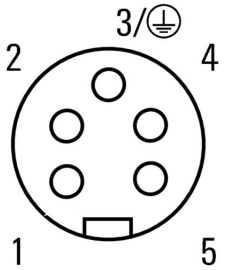
Drawings

Dimensioned drawing



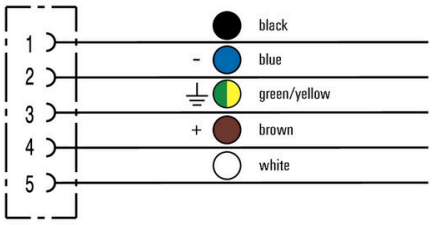
Straight socket

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

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Drawings