

SAIL-M12BG-3-8.3T

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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, One end without connector, M12, Number of poles : 3, 8.3 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	1968590830
Type	SAIL-M12BG-3-8.3T
GTIN (EAN)	4050118624410
Qty.	1 items

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Technical data

Approvals

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RoHS Conform

Dimensions and weights

Net weight 272 g

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

Technical specifications for cable

Cable length	8.3 m
Suitable for cable carriers	Yes
Shielded	No
Insulation	PP
Bending radius, min., moving	7.5 x cable diameter
Bending cycles	10 Mio
Sheath material	PUR
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Welding spark resistance	Yes
Torsion resistance	360 °/m
Resistant to welding beads	Yes
Number of poles	3

Sheathing colour	black
Core cross-section	0.34 mm ²
Halogen	No
Acceleration	5 m/s ²
Bending radius, min., stationary	4 x cable diameter
Speed	200 m/s
Configurable cable length	No
Irradiation crosslinked	No
Colour coding	brown, blue, black
Temperature range, stationary	-40...105 °C
Temperature range, moving	-30...105 °C
Outside diameter	4.9 mm ± 0.2 mm

General technical data

Coding	A-coded
Contact surface	Gold-plated
Version	Female socket, straight
Insulation resistance	108 Ω
Nominal current	4 A
Plugging cycles	≥ 100
jumpered	No
Temperature range of housing	-25...+85 °C

Connection thread	M12
LED	No
Housing main material	PUR
Nominal voltage	250 V
Protection degree	IP67, IP68, when screwed in, IP65, IP66
Pollution severity	3
Threaded ring material	Diecast zinc
Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance	108 Ω
Nominal voltage	250 V

Plug, left

Plug left	M12, A-coded, IP69, female contact, straight, Plastic, unshielded
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Technical data**Plug, right**

Plug right	free conductor end
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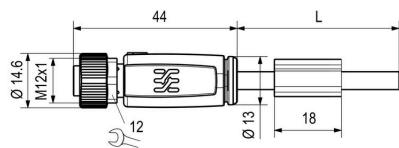
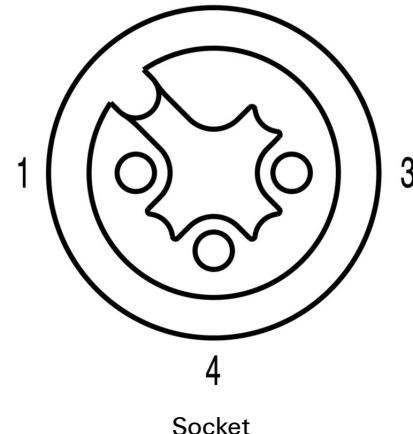
Classifications

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		

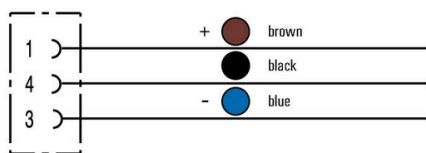
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Drawings**Dimensioned drawing****Pole scheme**

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
