

## SAIL-M12BG-4-5.0T

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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

Type	SAIL-M12BG-4-5.0T
Order No.	<a href="#">1968580500</a>
Version	Sensor/actuator line, One end without connector, M12, Number of poles : 4, 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
GTIN (EAN)	4032248669875
Qty.	1 pc(s).

Creation date August 16, 2020 1:25:42 PM CEST

Catalogue status 24.07.2020 / We reserve the right to make technical changes.

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

Net weight 180 g

**Temperatures**

Operating temperature, max. 80 °C Operating temperature, min. -25 °C

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

Number of poles	4	Core cross-section	0.34 mm <sup>2</sup>
Outside diameter	4.9 mm ± 0.2 mm	Cable length	5 m
Shielded	No	Insulation	PP
Colour coding	brown, white, blue, black	Sheath material	PUR
Sheathing colour	black	Halogen	No
Temperature range, moving	-30...105 °C	Temperature range, stationary	-40...105 °C
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)	Suitable for cable carriers	Yes
Torsion resistance	360 °/m	Bending radius, min., stationary	4 x cable diameter
Bending radius, min., moving	7.5 x cable diameter	Acceleration	5 m/s <sup>2</sup>
Speed	200 m/min	Bending cycles	10 Mio
Resistant to welding beads	Yes	Configurable cable length	No

**General technical data**

AF size	12 mm	Version	Female socket, straight
Connection thread	M12	Housing main material	PUR
Threaded ring material	Diecast zinc	Coding	A
Protection degree	IP65, IP66, IP67, IP68, when screwed in	Contact surface	Gold-plated
LED	No	Rated voltage	250 V
Rated current	4 A	Insulation strength	10 <sup>8</sup> Ω
Temperature range of housing	-25...+80 °C	Tightening torque	M12: 0.8 - 1.2 Nm
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No		

**Standards**

Connector standard IEC 61076-2-101 Certificate no. (cULus) E307231

**Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
eClass 9.0	27-06-03-11	eClass 9.1	27-06-03-11
eClass 10.0	27-06-03-11	UNSPSC	30-21-18-01

**Data sheet****SAIL-M12BG-4-5.0T**

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**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Brochure/Catalogue	<a href="#">FL FIELDWIRING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
Product Change Notification	<a href="#">DE - Technische Änderung zu M12 Gewinding mit 6-Kant</a> <a href="#">EN - Technical change to M12 nut with additional hexagonal mounting</a>

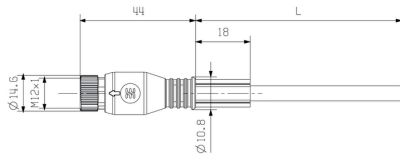
**Data sheet**

**SAIL-M12BG-4-5.0T**

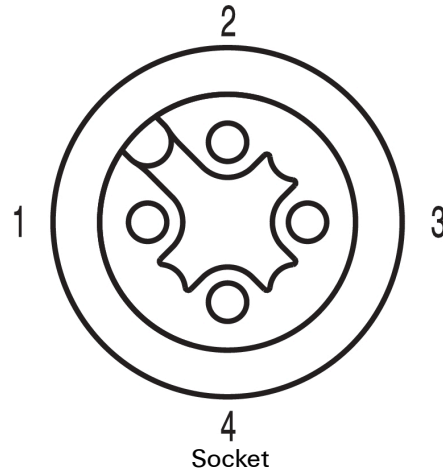
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**Drawings**

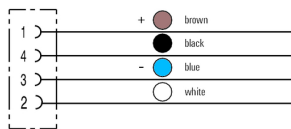
**Dimensioned drawing**



**Pole scheme**



**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