

## SAIL-M12BG-3-5.0T

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 5 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1968590500</a>
Type	SAIL-M12BG-3-5.0T
GTIN (EAN)	4032248669929
Qty.	1 pc(s).

Creation date March 26, 2021 3:57:56 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight 157 g

### Environmental Product Compliance

REACH SVHC Lead 7439-92-1

### Technical specifications for cable

Acceleration	5 m/s <sup>2</sup>		
Bending cycles	10 Mio		
Bending radius, min., moving	7.5 x cable diameter		
Bending radius, min., stationary	4 x cable diameter		
Cable length	5 m		
Colour coding	brown, blue, black		
Configurable cable length	No		
Core cross-section	0.34 mm <sup>2</sup>		
Halogen	No		
Housing main material	PUR		
Insulation	PP		
Number of poles	3		
Number of poles	3		
Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)		
Outer diameter	4.9 ± 0.2 mm		
Outside diameter	Diameter	4.9 mm	
	Signs	±	
	Tolerance	0.2 mm	
Outside diameter	4.9 mm ± 0.2 mm		
Resistant to welding beads	Yes		
Sheath material	PUR		
Sheathing colour	black		
Shielded	No		
Speed	200 m/min		
Suitable for cable carriers	Yes		
Temperature range, moving	-30...105 °C		
Temperature range, moving, max.	105 °C		
Temperature range, moving, min.	-30 °C		
Temperature range, stationary	-40...105 °C		
Temperature range, stationary, max.	105 °C		
Temperature range, stationary, min.	-40 °C		
Torsion resistance	360 °/m		

### General technical data

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

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### 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	ECLASS 11.0	27-06-03-11

### Approvals

Approvals



ROHS	Conform
UL File Number Search	E307231

### Downloads

Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</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**

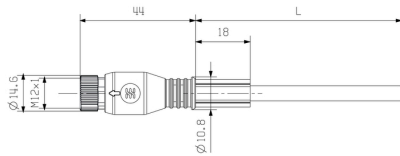
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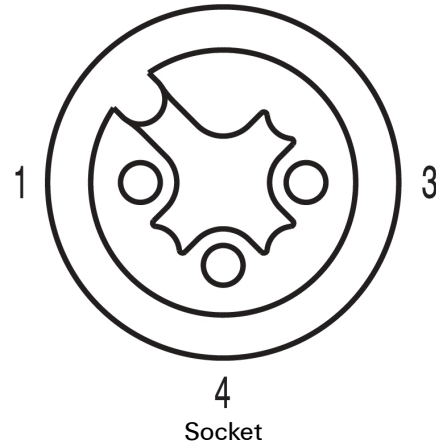
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**Drawings**

**Dimensioned drawing**



**Pole scheme**



**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