

## SAIL-M12G-PB-0.5D

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)



The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

### General ordering data

Version	Bus line, One end without connector, M12, Number of poles: 2, 0.5 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">1873300050</a>
Type	SAIL-M12G-PB-0.5D
GTIN (EAN)	4032248544752
Qty.	1 pc(s).

Creation date March 26, 2021 12:30:34 AM 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 55 g

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Technical specifications for cable**

Acceleration	5 m/s <sup>2</sup>	
Bending cycles	2 Mio	
Bending radius, min., moving	12 x cable diameter	
Bending radius, min., stationary	7.5 x cable diameter	
Cable length	0.5 m	
Colour coding	red, green	
Configurable cable length	No	
Core cross-section AWG	AWG 24	
Halogen	No	
Housing main material	PUR	
Hybrid cable	No	
Insulation	TPE	
Irradiation crosslinked	No	
Number of poles	2	
Number of poles	2	
Outer cladding in accordance with UL AWM style	20236 (80 °C / 30 V)	
Outer diameter	7.8 ± 0.2 mm	
Outside diameter	7.8 mm ± 0.2 mm	
Outside diameter	Diameter	7.8 mm
	Signs	±
	Tolerance	0.2 mm
Resistant to welding beads	No	
Sheath material	PUR	
Sheathing colour	violet	
Shielded	Yes	
Speed	3 m/s	
Suitable for cable carriers	Yes	
Temperature range, moving	-20...60 °C	
Temperature range, moving, max.	60 °C	
Temperature range, moving, min.	-20 °C	
Temperature range, stationary	-40...70 °C	
Temperature range, stationary, max.	70 °C	
Temperature range, stationary, min.	-40 °C	
Wire cross section	PUR 0.25 mm <sup>2</sup> / PVC 0.34 mm <sup>2</sup>	

**General technical data**

Coding	B	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	IP67	Rated current	4 A
Rated voltage	250 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight	jumpered	No

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**Technical data****Electrical properties**

Insulation strength	10 <sup>8</sup> Ω	Rated voltage	250 V
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**General standards**

Certificate no. (cULus)	E307231
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**Cable structure**

Colour coding	red, green	Insulation	TPE
Sheathing colour	violet		

**Electrical properties of cable**

Insulation strength	10 <sup>8</sup> Ω	Rated current	4 A
Speed	3 m/s		

**Mechanical and material properties of cable**

Acceleration	5 m/s <sup>2</sup>	Bending cycles	2 Mio
Halogen	No	Speed	3 m/s

**Plug, right**

Contact surface	Gold-plated	Housing main material	PUR
Plugging cycles	≥ 100		

**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08

**Important note**

Product information	According to the PROFIBUS user organisation, PROFIBUS lines ≤ 1m are to be avoided for transmission speeds of 1.5 MB or higher.
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**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E307231

**Downloads**

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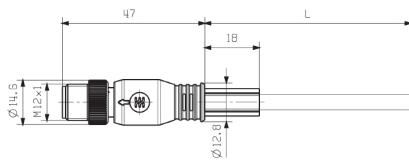
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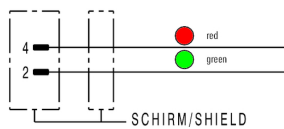
Drawings

**Dimensioned drawing**

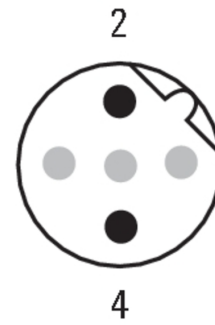


Male, straight

**Wiring diagram**



**Pole scheme**



Pin

**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