

SAIL-M12BG-PB-0.5D**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1873320050
Type	SAIL-M12BG-PB-0.5D
GTIN (EAN)	4032248544776
Qty.	1 pc(s).

Creation date March 26, 2021 12:33:02 AM CET

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Technical data**Dimensions and weights**

Net weight 46 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Acceleration	5 m/s²	
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 mm² / PVC 0.34 mm²	

General technical data

Coding	B	Connection thread	M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ 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	Female socket, straight	jumpered	No

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Technical data**Electrical properties**

Insulation strength	$10^8 \Omega$	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	$10^8 \Omega$	Rated current	4 A
Speed	3 m/s		

Mechanical and material properties of cable

Acceleration	5 m/s ²	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	EPLAN, WSCAD
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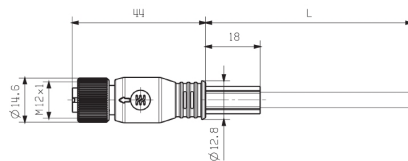
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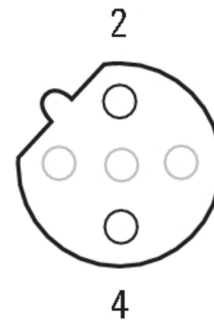
Drawings

Dimensioned drawing



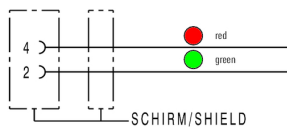
Socket

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