

SAIL-M12GM12G-PB-4.5D**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, Connecting line, M12 / M12, Number of poles: 2, 4.5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1873310450
Type	SAIL-M12GM12G-PB-4.5D
GTIN (EAN)	4032248866274
Qty.	1 pc(s).

Creation date March 26, 2021 12:32:13 AM CET

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Technical data**Dimensions and weights**

Net weight	367 g
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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	4.5 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		

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Technical data**General technical data**

Coding	B	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	$10^8 \Omega$	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 - socket, straight	jumpered	No

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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E307231

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

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Technical data

Downloads

Engineering Data

[EPLAN, WSCAD](#)

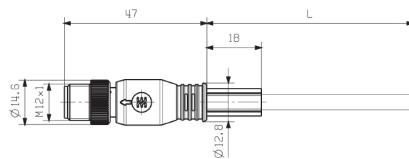
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Drawings

Dimensioned drawing



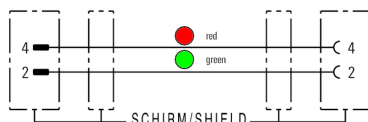
Male, straight

Pole scheme

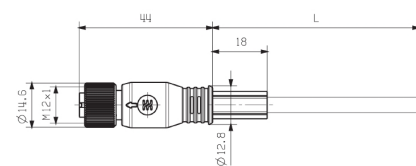


Pin

Wiring diagram

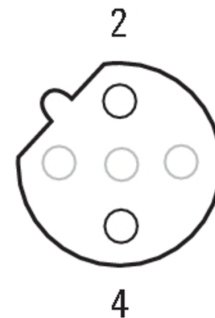


Dimensioned drawing



Straight socket

Pole scheme



Socket

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