

SAIL-M12GM12G-PB-5.0E

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, 5 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	1058570500
Type	SAIL-M12GM12G-PB-5.0E
GTIN (EAN)	4032248800216
Qty.	1 pc(s).

Creation date March 22, 2021 9:23:57 PM CET

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

SAIL-M12GM12G-PB-5.0E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Net weight 336 g

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Technical specifications for cable

Bending radius, min., moving	9 x cable diameter	
Bending radius, min., stationary	18 x cable diameter	
Cable length	5 m	
Colour coding	red, green	
Configurable cable length	No	
Core cross-section AWG	AWG 22	
Halogen	Yes	
Housing main material	PUR	
Hybrid cable	No	
Insulation	PVC	
Irradiation crosslinked	No	
Number of poles	2	
Number of poles	2	
Outer diameter	7.8 ± 0.2 mm	
Outside diameter	Diameter	7.8 mm
	Signs	±
	Tolerance	0.2 mm
Outside diameter	7.8 mm ± 0.2 mm	
Resistant to welding beads	No	
Sheath material	PVC	
Sheathing colour	violet	
Shielded	Yes	
Suitable for cable carriers	No	
Temperature range, moving	-5...60 °C	
Temperature range, moving, max.	60 °C	
Temperature range, moving, min.	-5 °C	
Temperature range, stationary	-20...70 °C	
Temperature range, stationary, max.	70 °C	
Temperature range, stationary, min.	-20 °C	
Wire cross section	PUR 0.25 mm ² / PVC 0.34 mm ²	

General technical data

Coding	B	Connection thread	M12 / 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	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength 10⁸ Ω Rated voltage 250 V

Creation date March 22, 2021 9:23:57 PM CET

SAIL-M12GM12G-PB-5.0E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**General standards**

Certificate no. (cULus) E307231

Cable structure

Colour coding	red, green	Insulation	PVC
Sheathing colour	violet		

Electrical properties of cable

Insulation strength	$10^8 \Omega$	Rated current	4 A
---------------------	---------------	---------------	-----

Mechanical and material properties of cable

Halogen	Yes
---------	-----

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

Downloads

Engineering Data	EPLAN, WSCAD
------------------	------------------------------

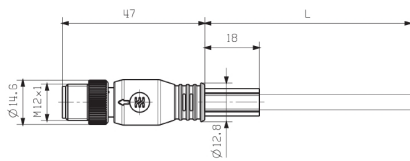
SAIL-M12GM12G-PB-5.0E

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Drawings

Dimensioned drawing



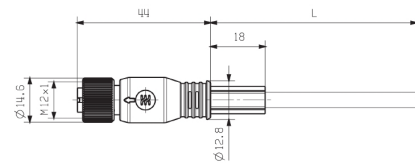
Male, straight

Pole scheme



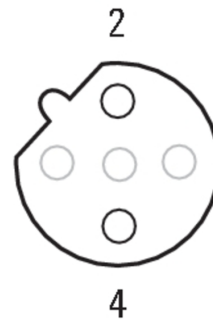
Pin

Dimensioned drawing



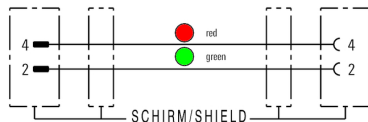
Straight socket

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