

SAIL-M12BGM12G-CD-2.5A**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: 5, 2.5 m, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455990250
Type	SAIL-M12BGM12G-CD-2.5A
GTIN (EAN)	4050118474138
Qty.	1 pc(s).

Creation date March 27, 2021 12:49:30 AM CET

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

SAIL-M12BGM12G-CD-2.5A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Net weight	120 g
------------	-------

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Technical specifications for cable

Acceleration	5 m/s²		
Bending cycles	3 Mio		
Bending radius, min., moving	10 x cable diameter		
Bending radius, min., stationary	5 x cable diameter		
Cable length	2.5 m		
Colour coding	white, blue, red, black		
Configurable cable length	No		
Halogen	No		
Housing main material	PUR		
Hybrid cable	No		
Insulation	TPE		
Irradiation crosslinked	No		
Number of poles	5		
Number of poles	5		
Outer cladding in accordance with UL AWM style	20236 (80 °C / 30 V)		
Outer diameter	7.0 ± 0.3 mm		
Outside diameter	7 mm ± 0.3 mm		
Outside diameter	Diameter	7 mm	
	Signs	±	
	Tolerance	0.3 mm	
Resistant to welding beads	No		
Sheath material	PUR		
Sheathing colour	black		
Shielded	Yes		
Speed	180 m/min		
Suitable for cable carriers	Yes		
Temperature range, moving	-10...80 °C		
Temperature range, moving, max.	80 °C		
Temperature range, moving, min.	-10 °C		
Temperature range, stationary	-40...80 °C		
Temperature range, stationary, max.	80 °C		
Temperature range, stationary, min.	-40 °C		
Wire cross section	2 x 0.34 mm² + 2 x 0.22 mm²		

General technical data

Coding	A	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	125 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
jumpered	No		

Creation date March 27, 2021 12:49:30 AM CET

SAIL-M12BGM12G-CD-2.5A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Electrical properties**

Insulation strength	$10^8 \Omega$	Rated voltage	125 V
---------------------	---------------	---------------	-------

Cable structure

Colour coding	white, blue, red, black	Insulation	TPE
Sheathing colour	black		

Electrical properties of cable

Insulation strength	$10^8 \Omega$	Rated current	4 A
Speed	180 m/min		

Mechanical and material properties of cable

Acceleration	5 m/s ²	Bending cycles	3 Mio
Halogen	No	Speed	180 m/min

Plug, right

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

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

ROHS	Conform
------	---------

SAIL-M12BGM12G-CD-2.5A

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

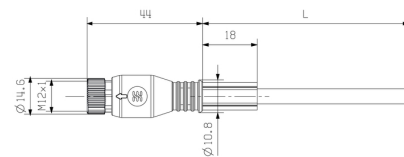
www.weidmueller.com

Drawings

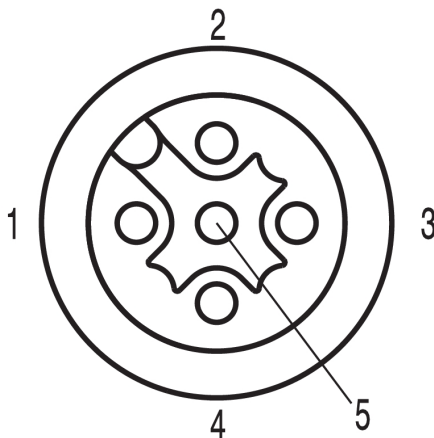
Dimensioned drawing



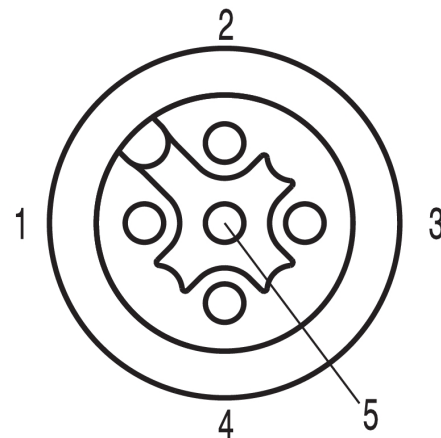
Dimensioned drawing



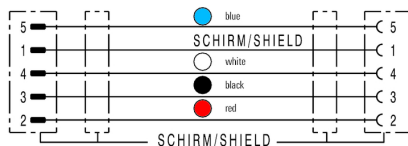
Pole scheme



Pole scheme



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