Data sheet

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, DeviceNetTM, EtherCAT and Ethernet.

General ordering data

Version	Bus line, Connecting line, M12 / M12, Number of poles: 5, 2.5 m, Female socket, straight - Female socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	2455990250
Type	SAIL-M12BGM12G-CD-2.5A
GTIN (EAN)	4050118474138
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	120 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	1c533b66-fcff-4da5-b89f-fd55fbf5cb55

Technical specifications for cable

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

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight - Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	125 V
Nominal current	4 A	Protection degree	IP67
Plugging cycles	≥ 100	Pollution severity	3
jumpered	No	Threaded ring material	Brass, nickel-plated
Temperature range of housing	-25...+80 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	125 V

Plug, left

Plug left	M12, A-coded, IP67, female contact, straight, Plastic, shielded

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Technical data

Plug, right

Plug right	M12, A-coded, IP67, female contact, straight, Plastic, shielded

Classifications

ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

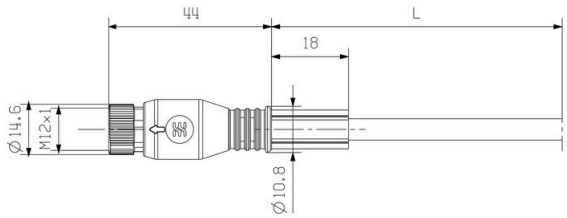
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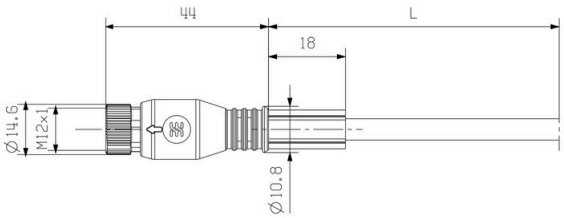
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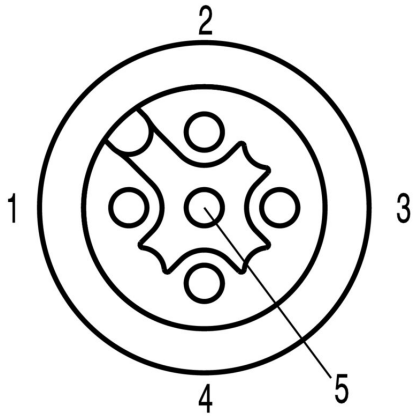
Drawings

Dimensioned drawing

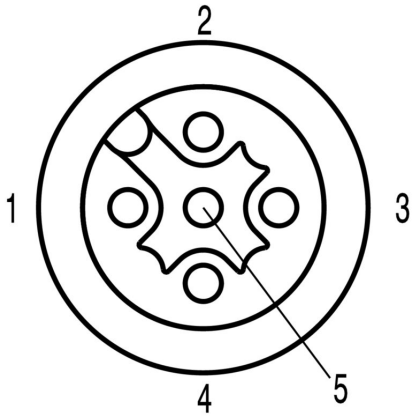




Pole scheme



Pole scheme



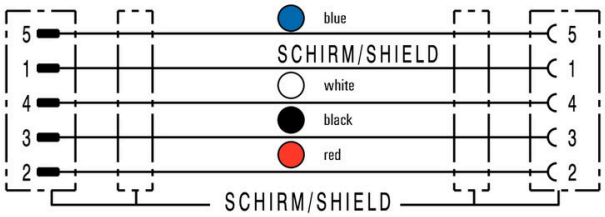
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Drawings

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