Data sheet

SAIL-M12GM12G-CD-20A

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, 20 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1964712000
Type	SAIL-M12GM12G-CD-20A
GTIN (EAN)	4050118593938
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Dimensions and weights

Length	20 m	Length (inches)	787.4016 inch
Net weight	1318 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	20 m	Sheathing colour	violet
Resistance to oils	EN 50363-10-2	Suitable for cable carriers	Yes
Core cross-section	0.34 mm²	Number of wires	5
Shielded	Yes	Halogen	No
Insulation	PE	Acceleration	7 m/s²
Bending radius, min., moving	10 x cable diameter	Bending cycles	5 Mio
Wire cross section (Print/Online)	2 x 0.34 mm² + 2 x 0.22 mm²	Resistance to spread of flame	in accordance with IEC 60332-1-2, In accordance with UL1581 UL/ CUL FT1
Sheath material	PUR	Cable length configurable	No
Type is hybrid cable	Yes	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	red, black, white, blue
Resistant to welding beads	No	Temperature range, moving	-20...80 °C
Number of poles	5	Outside diameter	6.9 mm ± 0.3 mm

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Contact material	CuZn35PB2	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...+85 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Nominal voltage	125 V

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General standards

Connector standard	IEC 61076-2-101	Certificate no. (cULus)	E307231

Plug, left

Plug left	M12, A-coded, Number of poles: 5, male contact, straight, plug, shielded

Plug, right

Plug right	M12, A-coded, Number of poles: 5, female contact, straight, plug, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-07		

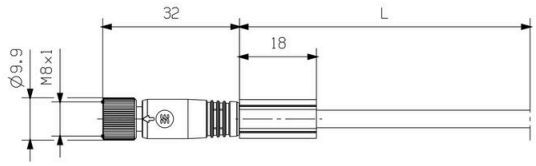
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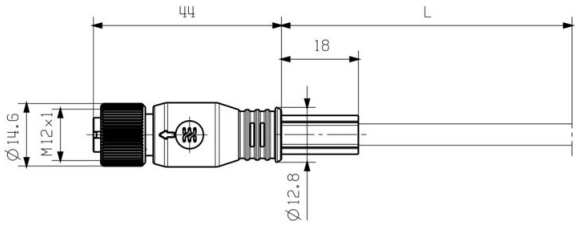
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Drawings

Dimensioned drawing

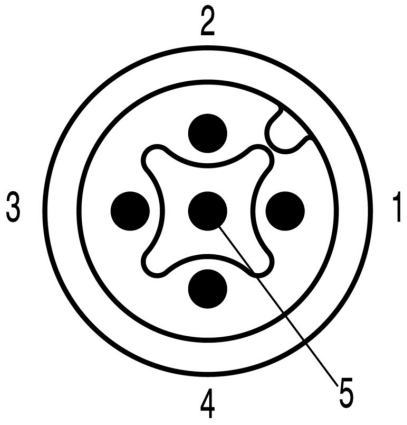


Male, straight



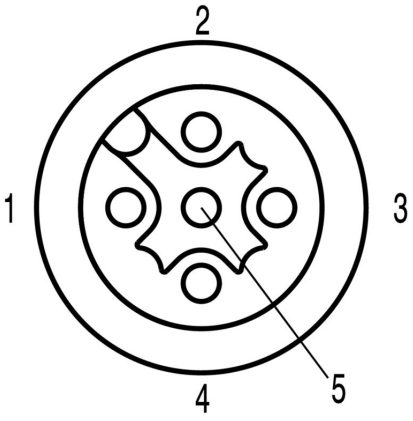
Straight socket

Pole scheme



Pin

Pole scheme



Socket

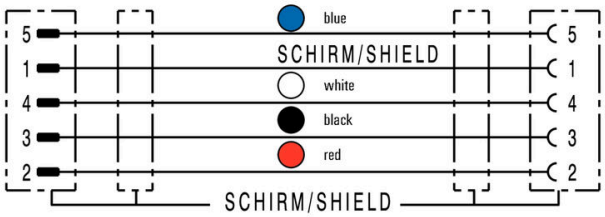
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Drawings

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