Data sheet

SAIL-M12BG-USB-3.0U

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, Number of poles: 5, 3 m, Male, straight - female, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1288820300
Type	SAIL-M12BG-USB-3.0U
GTIN (EAN)	4050118080230
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Length	3 mm	Length (inches)	0.1181 inch
Net weight	116 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Cable length	3 m	Sheathing colour	black
Resistance to oils	No	Suitable for cable carriers	Yes
Core cross-section	0.09 mm²	Number of wires	4
Shielded	Yes	Halogen	No
Insulation	PE	Bending radius, min., stationary	5 x cable diameter
Resistance to spread of flame	UL Style 20963	Sheath material	PUR
Cable length configurable	No	Outer cladding in accordance with UL AWM style	20963 (80 °C / 30 V)
Type is hybrid cable	No	Irradiation crosslinked	No
Colour coding	white, green, red, black	Number of poles	5

General technical data

Coding	A-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Male, straight - female, straight	Housing main material	PUR
Insulation resistance	≥ 20 MΩ	Nominal voltage	5 V
Nominal current	1 A	Protection degree	IP20
Pollution severity	3	Threaded ring material	Nickel-plated CuZn
Temperature range of housing	-25...+80 °C	Tightening torque	M12: 0.8 - 1.2 Nm

Electrical properties

Insulation resistance	≥ 20 MΩ	Nominal voltage	5 V

Cable structure

Sheathing colour	black	Cross-section	2*AWG28 + 2*AWG28
Shielding	360° all-round enclosure	Number of wires	4
Insulation	PE	Colour coding	white, green, red, black

Electrical properties of cable

Insulation resistance	≥ 20 MΩ	Category	Miscellaneous
Nominal current	1 A		

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Technical data

Mechanical and material properties of cable

Resistance to oils	No	Halogen	No
Resistance to spread of flame	UL Style 20963		

Plug, left

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

Plug, right

Plug right	USB A, Number of poles: 4, IP20, male 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		

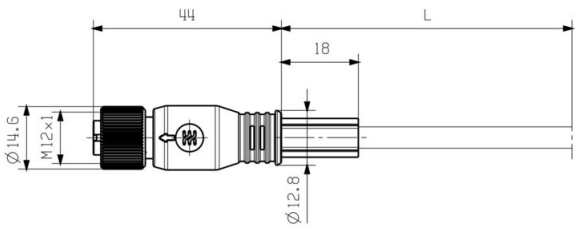
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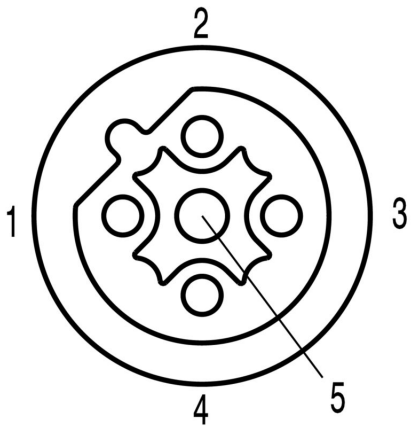
Drawings

Dimensioned drawing



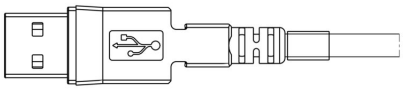
Straight socket

Pole scheme



M12, socket, B-coded

Dimensioned drawing



USB type A

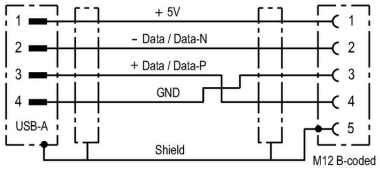
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Drawings

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