Data sheet

SAIL-M12GM12SG-4S10UIE

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: 4, 10 m, Male, straight - male, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1296801000
Type	SAIL-M12GM12SG-4S10UIE
GTIN (EAN)	4050118111125
Qty.	1 items

Data sheet

SAIL-M12GM12SG-4S10UIE

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

www.weidmueller.com

Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	323 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Technical specifications for cable

Cable length	10 m	Sheathing colour	green
Resistance to oils	in accordance with IEC 60811:404	Suitable for cable carriers	Yes
Core cross-section	0.15 mm²	Number of wires	4
Shielded	Yes	Halogen	No
Insulation	PP	Acceleration	5 m/s²
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Bending cycles	5 Mio	Resistance to spread of flame	in accordance with IEC 60332-1-2, According to UL2556 FT2
Speed	180 m/min	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
Welding spark resistance	No	Colour coding	white / orange, white / blue, orange, blue
Temperature range, stationary	-40...80 °C	Resistant to welding beads	No
Temperature range, moving	-30...70 °C	Number of poles	4

General technical data

Coding	D-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	LED	No
Version	Male, straight - male, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	250 V
Nominal current	4 A	Protection degree	IP67
Plugging cycles	≥ 100	Pollution severity	3
Threaded ring material	Brass, nickel-plated	Temperature range of housing	-25...+80 °C
Tightening torque	M12: 1.0 Nm		

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	250 V

SAIL-M12GM12SG-4S10UIE

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

www.weidmueller.com

Technical data

Plug, left

Plug left	M12, D-coded, Number of poles: 4, male contact, straight, plug, shielded

Plug, right

Plug right	M12, D-coded, Number of poles: 4, 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	27-06-03-08		

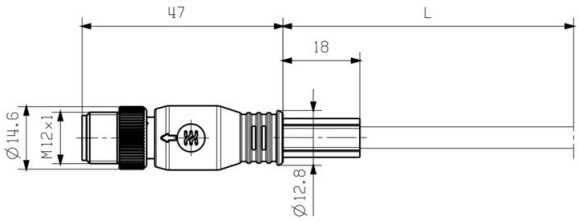
SAIL-M12GM12SG-4S10UIE

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

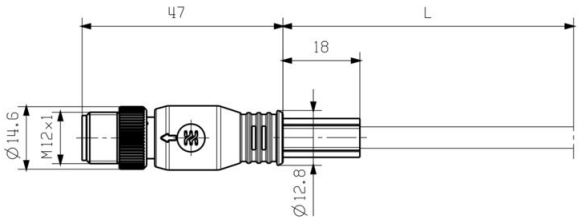
www.weidmueller.com

Drawings

Dimensioned drawing

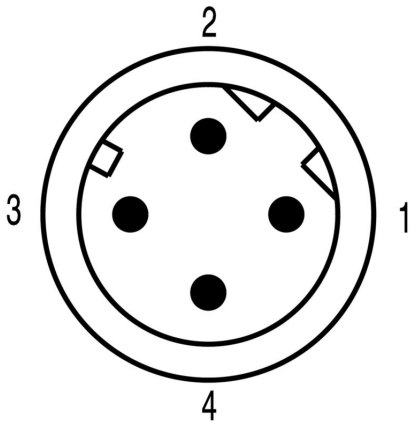


Male, straight



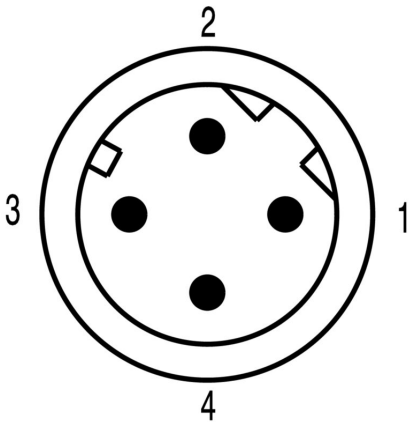
Male, straight

Pole scheme



Pin

Pole scheme



Male connector

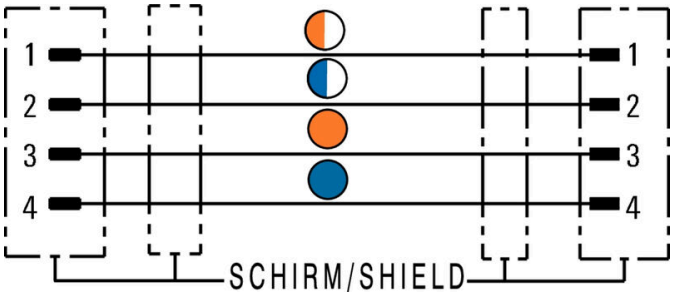
SAIL-M12GM12SG-4S10UIE

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

www.weidmueller.com

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