Data sheet

SAIL-M8GM8G-4S-1.0U

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, M8 / M8, Number of poles: 4, 1 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1981900100
Type	SAIL-M8GM8G-4S-1.0U
GTIN (EAN)	4032248726875
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Net weight	51 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	1 m	Sheathing colour	black
Suitable for cable carriers	Yes	Core cross-section	0.34 mm²
Shielded	Yes	Halogen	No
Insulation	PP	Acceleration	5 m/s²
Bending radius, min., moving	12 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Bending cycles	250.000	Speed	100 m/s
Sheath material	PUR	Cable length configurable	No
Outer cladding in accordance with UL AWM style	20549 (80 °C / 300 V)	Core in accordance with UL AWM style	10493 (80 °C / 300 V)
Type is hybrid cable	No	Irradiation crosslinked	No
Welding spark resistance	No	Colour coding	brown, white, blue, black
Torsion resistance	360 °/m	Temperature range, stationary	-40...90 °C
Resistant to welding beads	No	Temperature range, moving	-30...90 °C
Number of poles	4	Outside diameter	5.1 mm ± 0.2 mm

General technical data

Coding	none	Connection thread	M8 / M8
Contact surface	Gold-plated	LED	No
Version	pin, straight - socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Nominal voltage	30 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	M8: 0.6 Nm

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	30 V

Plug, left

Plug left	M8, IP67, male contact, straight, Plastic, unshielded

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Technical data

Plug, right

Plug right	M8, IP67, female contact, straight, Plastic, unshielded

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		

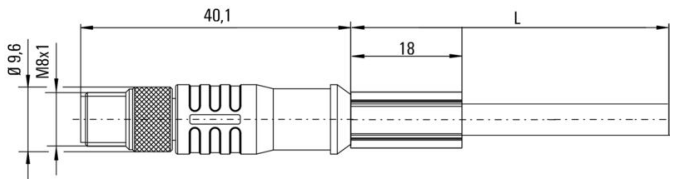
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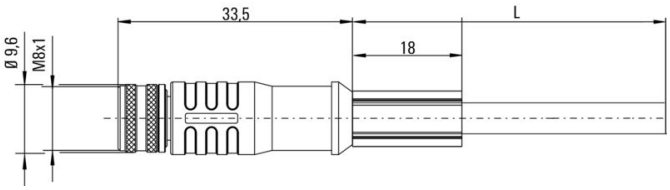
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Drawings

Dimensioned drawing

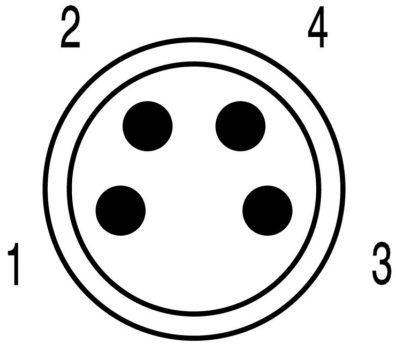


Male, straight



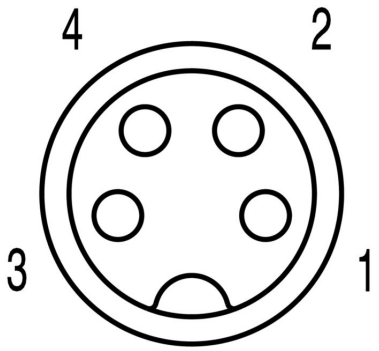
Straight socket

Pole scheme



Pin

Pole scheme



Socket

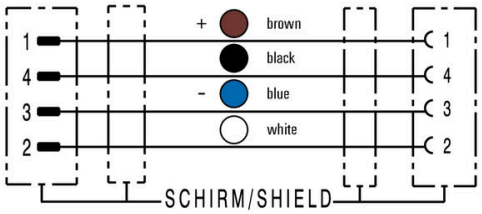
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Drawings

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