

SAIL-M12GM12G-CD-1.0A**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, DeviceNet™, EtherCAT and Ethernet.

General ordering data

Version	Bus line, Connecting line, M12 / M12, Number of poles: 5, 1 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PUR, Halogen: No
Order No.	1964710100
Type	SAIL-M12GM12G-CD-1.0A
GTIN (EAN)	4050118169775
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	88 g
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	3 Mio
Bending radius, min., moving	10 x cable diameter	Bending radius, min., stationary	5 x cable diameter
Cable length	1 m	Colour coding	white, blue, red, black
Configurable cable length	No	Halogen	No
Hybrid cable	No	Insulation	TPE
Irradiation crosslinked	No	Number of poles	5
Outer cladding in accordance with UL AWM style	20236 (80 °C / 30 V)	Outside diameter	7 mm ± 0.3 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	violet	Shielded	Yes
Speed	180 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-10...80 °C	Temperature range, stationary	-40...80 °C
Welding spark resistance	No	Wire cross section (Print/Online)	2 x 0.34 mm ² + 2 x 0.22 mm ²

General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact surface	Gold-plated	Housing main material	PUR
Insulation strength	10 ⁸ Ω	LED	No
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67	Rated current	4 A
Rated voltage	125 V	Temperature range of housing	-25...+80 °C
Threaded ring material	Brass, nickel-plated	Tightening torque	M12: 0.8 - 1.2 Nm
Version	pin, straight - socket, straight	jumpered	No

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	125 V
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General standards

Certificate no. (cULus)	E307231
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Plug, left

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

Plug right	M12, A-coded, IP67, female contact, straight, Plastic, shielded
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Technical data**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 9.0	27-06-03-08
ECLASS 9.1	27-06-03-08	ECLASS 10.0	27-06-03-08
ECLASS 11.0	27-06-03-08	ECLASS 12.0	27-06-03-08
ECLASS 13.0	27-06-03-08	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E307231

Downloads

Product Change Notification	20221115 Technical change to CANopenDeviceNet cord sets and cables 20221115 Technische Änderung zu CANopenDeviceNet Leitungen
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

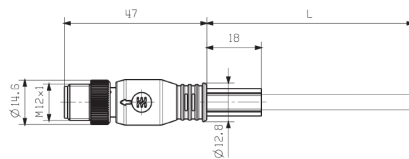
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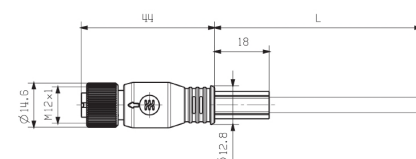
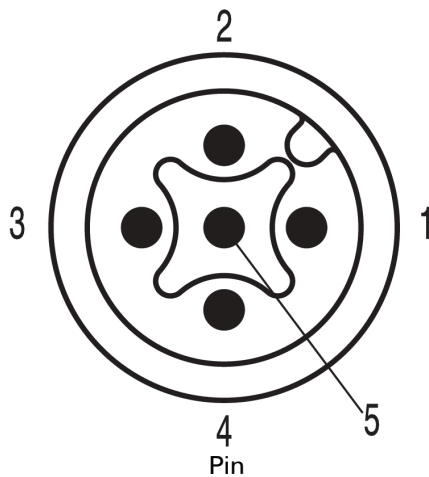
Drawings

Dimensioned drawing



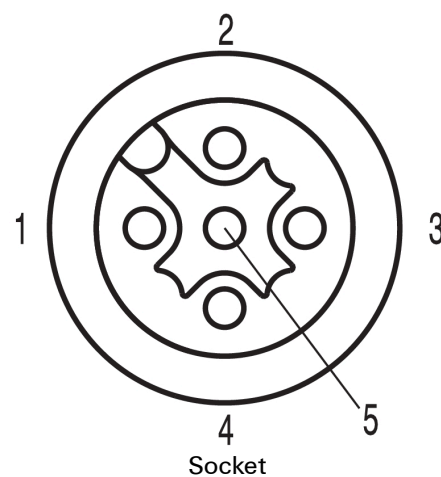
Male, straight

Pole scheme

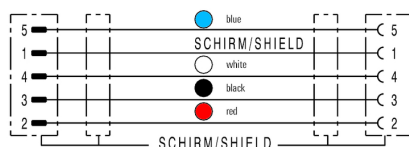


Straight socket

Pole scheme



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