

SAIL-M12GM12G-5-1.0TOV**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Version	Sensor/actuator line, M12 / M12, Number of poles : 5, 1 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2812700100
Type	SAIL-M12GM12G-5-1.0TOV
GTIN (EAN)	4064675342236
Qty.	1 pc(s).

Creation date April 22, 2025 10:48:49 PM CEST

Catalogue status 22.04.2025 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight	95 g
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Technical specifications for cable

Bending cycles	10 Mio	Bending radius, min., moving	7.5 x cable diameter
Bending radius, min., stationary	4 x cable diameter	Cable length	1 m
Colour coding	brown, black, blue, white, grey	Core cross-section	0.34 mm ²
Core in accordance with UL AWM style	10995 (80 °C / 300 V)	Halogen	No
Irradiation crosslinked	No	LABS-free	Yes
Number of poles	5	Outer cladding in accordance with UL AWM style	20233 (80 °C / 300 V)
Outside diameter	5.2 mm ± 0.2 mm	Resistant to welding beads	Yes
Sheath material	PUR	Sheathing colour	orange
Shielded	No	Suitable for cable carriers	Yes
Temperature range, moving	-25...80 °C	Temperature range, stationary	-40...80 °C
Torsion resistance	360 °/m	Welding spark resistance	Yes

General technical data

AF size	12 mm	Coding	A-coded
Connection thread	M12 / M12	Contact surface	Gold-plated
Housing main material	PUR	LED	No
Pollution severity	3	Protection degree	IP65, IP66, IP67, IP68, when screwed in
Rated current	4 A	Rated voltage	24 V
Temperature range of housing	-25...+85 °C	Version	pin, straight - socket, straight

Electrical properties

Rated voltage	24 V
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General standards

Certificate no. (cULus)	E307231
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Plug, left

Plug left	M12, A-coded, IP68, male contact, straight, Plastic
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Plug, right

Plug right	M12, A-coded, IP68, female contact, straight, Plastic
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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC001855	ETIM 7.0	EC001855
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 9.0	27-06-03-11
ECLASS 9.1	27-06-03-11	ECLASS 10.0	27-06-03-11
ECLASS 11.0	27-06-03-11	ECLASS 12.0	27-06-03-11
ECLASS 13.0	27-06-03-11	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	bd63baef-8092-4596-90c7-5b4daa22710b

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-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

Engineering Data	CAD data – STEP
Product Change Notification	Technical change to 3 to 5-pole unshielded M12 cord sets
Catalogues	Catalogues in PDF-format

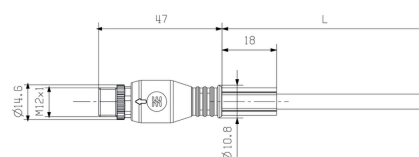
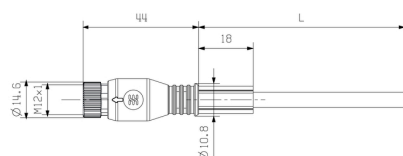
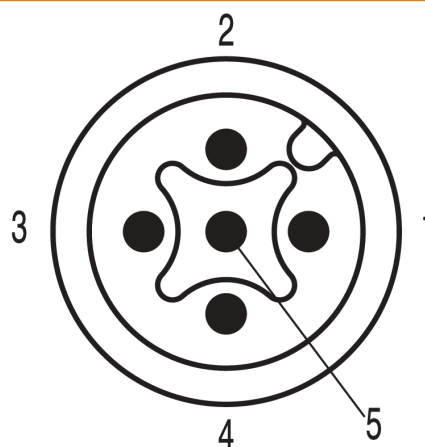
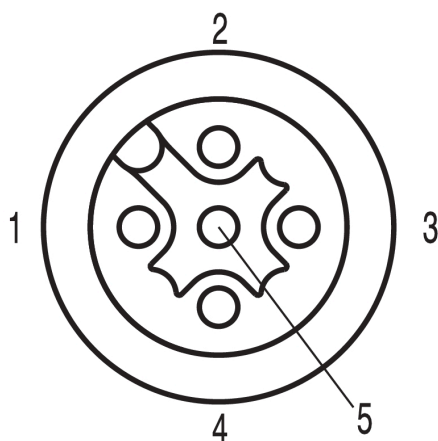
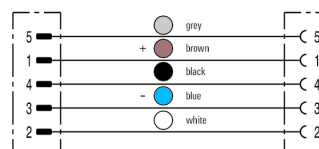
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Drawings
Detailed drawing

Dimensioned drawing

Dimensioned drawing

Pole scheme

Pole scheme

Wiring diagram


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Drawings

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