

SAIL-M12BG-T-5.0H**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Your peripheral devices should be supplied with greater power. With our new M12 plug-in connector, more than 250 V and 2 A is possible without problems. The compact A-, K-, L-, S- and T-coded M12 plug-in connectors are designed for the transmission of up to 630 V AC or 60 V DC and 12 A.

General ordering data

Version	Power cable, One end without connector, M12, Number of poles : 4, 5 m, Female socket, straight, Shielded: No, Sheath material: PUR, Halogen: No
Order No.	2050680500
Type	SAIL-M12BG-T-5.0H
GTIN (EAN)	4050118441789
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Net weight	300 g
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Technical specifications for cable

Acceleration	5 m/s ²	Bending cycles	10 Mio
Bending radius, min., moving	7.5 x cable diameter	Bending radius, min., stationary	4 x cable diameter
Cable length	5 m	Colour coding	black, blue, white, brown
Configurable cable length	No	Core cross-section	2.5 mm ²
Halogen	No	Insulation	PP
Irradiation crosslinked	No	Number of poles	4
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Outside diameter	11 mm ± 0.4 mm
Resistant to welding beads	No	Sheath material	PUR
Sheathing colour	black	Shielded	No
Speed	5 m/s	Suitable for cable carriers	Yes
Temperature range, moving	-40...90 °C	Temperature range, stationary	-50...90 °C
Welding spark resistance	No		

General technical data

AF size	13 mm	Coding	T-coded
Connection thread	M12	Contact surface	Gold-plated
Housing main material	PUR	Insulation strength	10 ⁸ Ω
Plugging cycles	≥ 100	Pollution severity	3
Protection degree	IP67, when screwed in	Rated current	12 A
Rated voltage	63 V	Temperature range of housing	-40 ... +85 °C
Tightening torque	M12: 0.8 - 1.2 Nm	Version	Female socket, straight

Electrical properties

Insulation strength	10 ⁸ Ω	Rated voltage	63 V
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General standards

Certificate no. (cULus)	E310075	Connector standard	IEC 61076-2-111
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Standards

Connector standard	IEC 61076-2-111
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Plug, left

Plug left	M12, T-coded, IP67, female contact, straight, Plastic, unshielded
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Plug, right

Contact surface	Gold-plated	Housing main material	PUR
Plug right	free conductor end	Plugging cycles	≥ 100

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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
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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	e8d8af70-4c85-4483-bc8c-9bc5b598e2a9

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E310075

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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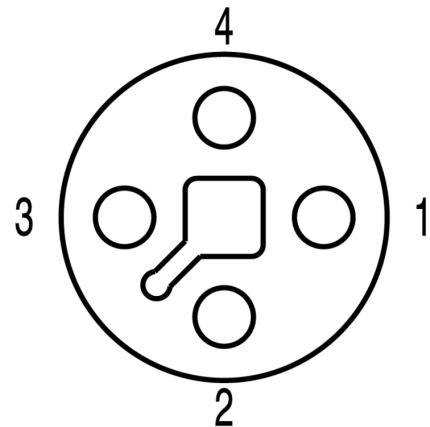
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Drawings

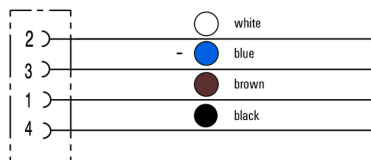
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

