

SAIL-M12BG-S-0.25P**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 (3 + PE), 0.25 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2050160025
Type	SAIL-M12BG-S-0.25P
GTIN (EAN)	4064675578147
Qty.	1 items

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Technical data

Approvals

Approvals	CE; CULUS; UKCA
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E310075

Dimensions and weights

Net weight	38.72 g
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Technical specifications for cable

Cable length	0.25 m	Sheathing colour	black
Resistance to oils	Yes	PE function	Yes
Suitable for cable carriers	Yes	Core cross-section	1.5 mm ²
Number of wires	4	Shielded	No
Halogen	No	Insulation	PP
Acceleration	5 m/s ²	Bending radius, min., moving	7.5 x cable diameter
Bending radius, min., stationary	4 x cable diameter	Bending cycles	10 Mio
Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with UL 1581 VW-1 and CSA FT1	Speed	300 m/min
Sheath material	PUR	Configurable cable length	No
LABS-free	Yes	Hydrolysis and microbe resistant	Yes
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Hybrid cable	No
Irradiation crosslinked	No	Welding spark resistance	Yes
Colour coding	brown, black, grey, Green/yellow	Torsion resistance	270 °/m
Temperature range, stationary	-40...80 °C	Resistant to welding beads	Yes
Temperature range, moving	-30...80 °C	Number of poles	4 (3 + PE)
Outside diameter	9.6 mm ± 0.3 mm		

General technical data

Coding	S-coded	Connection thread	M12
Contact surface	Gold-plated	LED	No
Version	Female socket, straight	Housing main material	PUR
Insulation resistance	108 Ω	Contact material	CuZn
Nominal voltage	600 V	Nominal current	12 A
AF size	13 mm	Protection degree	IP65, IP67, IP68, when screwed in
Plugging cycles	≥ 100	Pollution severity	3
Threaded ring material	Nickel-plated CuZn	Temperature range of housing	-30...+90 °C
Tightening torque	M12: 1.0 Nm		

Electrical properties

Insulation resistance	108 Ω	Nominal voltage	600 V
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General standards

Connector standard	IEC 61076-2-111	Certificate no. (cULus)	E310075
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www.weidmueller.com**Technical data****Standards**

Connector standard	IEC 61076-2-111
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Plug, left

Plug left	M12, S-coded, Number of poles: 4, female contact, straight, plug, unshielded
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Plug, right

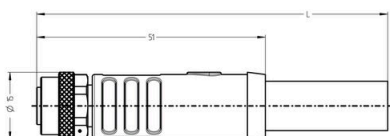
Plug right	Free conductor end
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Classifications

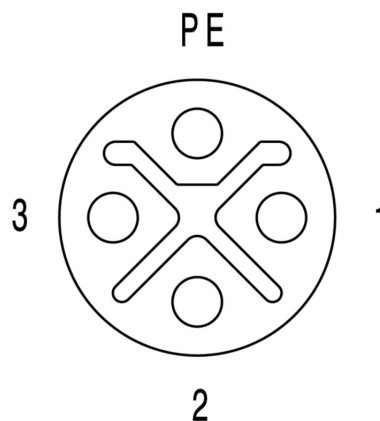
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Drawings

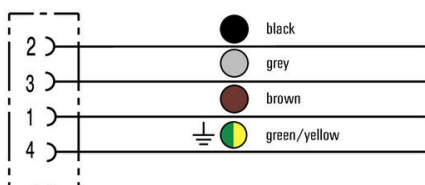
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

