

SAIL-M12BG-S3-1.0PK16**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 : 3 (2 + PE), 1 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	2049950100
Type	SAIL-M12BG-S3-1.0PK16
GTIN (EAN)	4050118661644
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E310075

Dimensions and weights

Net weight 91 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
PE function	Yes	Suitable for cable carriers	Yes
Core cross-section	1.5 mm ²	Number of wires	3
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	Speed	5 m/s
Sheath material	PUR	Cable length configurable	No
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	Type is hybrid cable	No
Irradiation crosslinked	No	Welding spark resistance	No
Colour coding	blue, brown, Green/yellow	Temperature range, stationary	-40...80 °C
Resistant to welding beads	No	Temperature range, moving	-30...80 °C
Number of poles	3 (2 + PE)		

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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Technical data**General standards**

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

Connector standard	IEC 61076-2-111
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Plug, left

Plug left	M12, S-coded, Number of poles: 3, female contact, straight, plug, unshielded
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Plug, right

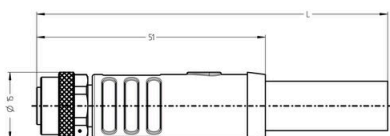
Plug right	Free conductor end
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Classifications

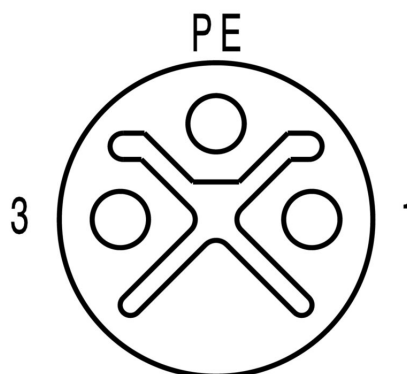
ETIM 8.0	EC001855	ETIM 9.0	EC001855
ETIM 10.0	EC001855	ECLASS 14.0	27-06-03-11
ECLASS 15.0	27-06-03-11		

Drawings

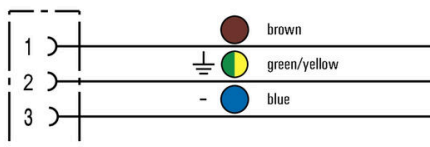
Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

