

**SAIL-M12BG-S3-7.0PK16**

**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), 7 m, Female socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Order No.	<a href="#">2049950700</a>
Type	SAIL-M12BG-S3-7.0PK16
GTIN (EAN)	4050118661675
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 650 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	7 m	Sheathing colour	black
PE function	Yes	Suitable for cable carriers	Yes
Core cross-section	1.5 mm <sup>2</sup>	Number of wires	3
Shielded	No	Halogen	No
Insulation	PP	Acceleration	5 m/s <sup>2</sup>
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	Configurable cable length	No
Outer cladding in accordance with UL AWM style	20234 (80 °C / 1000 V)	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)	Outside diameter	8.5 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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**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		

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Drawings

Dimensioned drawing



Pole scheme



Wiring diagram



The ideal tool: Screwty® with torque function

