

INDUSTRIAL COMPONENT DATA

SOL-SC-1ST-0-DC-1MPPT-2000 1105827 PHOENIX CONTACT

String combiner box for photovoltaic systems up to 1000 V..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-1ST-0-DC-1MPPT-2000



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-1ST-0-DC-1MPPT-2000
Catalog number	1105827
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-930B5AD10B
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Product Overview

String combiner box for photovoltaic systems up to 1000 V DC for the connection of 1x 1 string. With surge protection and Push-in connection for the input and output side.

String boxes for photovoltaic installations up to 1000 V DC for the connection of 1x 1 string. With surge protection (type 2) and cable glands for the inlet and outlet side.

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Industry Solutions (IS)
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Additional Product Information

Key Commercial Data

Orderkey 1105827

Packing unit 1

GTIN 4055626990064

Drawings

Safety equipment

General data

Ambient conditions

System parameter

Cable entry

Dimensions

Classifications

Drawings

Connection diagram

Schematic application drawing

Dimensional drawing

Housing dimensions

Circuit diagram

Connection of the remote indication contact on the surge protection

Schematic diagram

Connection of the PV strings, as well as connection to the inverter

Schematic diagram

Connection of the protective grounding conductor

Schematic diagram

Connection of the protective equipotential bonding conductor

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System voltage 1000 V DC (U_{max})

Number of string inputs 1

Current per string (max.) 40 A (I_{max})

Number of outputs 1

Number of supported MPP trackers 1

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Surge protective device T2

Protection level $U_p \leq 3.7$ kV

Total discharge current $I_{total}(8/20)$ μs 40 kA

[Back to top](#)Cable entry

Type of cable entry Cable gland

Cable cross section string input 2.5 mm² ... 6 mm²

Sealing area string input 3 mm ... 6.5 mm

Cable cross section output 2.5 mm² ... 6 mm²

Sealing area output 3 mm ... 6.5 mm

Cable cross section grounding 16 mm² (2 x)

Sealing area grounding 6 mm ... 12 mm (2 x)

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Material cover/door Polycarbonate (transparent)

Degree of protection IP65

Protection class II

[Back to top](#)Dimensions

Outer dimensions: width, height, depth 130 mm x 180 mm x 111 mm (Housing dimensions)

[Back to top](#)Ambient conditions

Ambient temperature (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-1ST-0-DC-1MPPT-2000 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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