

INDUSTRIAL COMPONENT DATA

SOL-SC-1ST-0-DC-4MPPT-1100SEC 1455739 PHOENIX CONTACT String box for photovoltaic installations up to 1000 V..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-1ST-0-DC-4MPPT-1100SEC



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-1ST-0-DC-4MPPT-1100SEC
Catalog number	1455739
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-62284F5C8C
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Product Overview

String box for photovoltaic installations up to 1000 V DC, for the connection of 4x 1 strings. With surge protection (type 1/2), DC load disconnecter and cable glands for the input and output side.

String combiner box for photovoltaic systems up to 1,000 V DC for connecting 4x 1 string. With surge protection (type 1/2), DC switch disconnecter with direct drive, and cable glands for the input and output 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

Technical dataProduct propertiesProduct type String combiner box (SCB)

Design DC switch disconnecter

Insulation characteristics

Protection class II

Electrical propertiesGeneral

MPP voltage UN max. 1000 V DC

Non-load voltage UOC max. 1100 V DC

Current per string I_{max} max. 32 A

DC switch disconnecter

Rated operating current DC-21B 32 A

Rated operating current DC-PV1 32 A
Surge protection
EN type T1
IEC test classification T1
Protection level Up ≤ 1.8 kV
Total discharge current Itotal(10/350) μs 5 kA
Total discharge current Itotal(8/20) μs 40 kA
Short-circuit current rating ISCPV 32 A
Input dataDC
Number of inputs: Strings 1 (per MPP tracker)
Number of supported MPP trackers 4
Output dataDC
Number of outputs: MPP tracker 4
Number of outputs: ± 1 (per MPP tracker)
Connection dataDC input
Type of cable entry Cable gland
Connection method Push-in connection
Cable cross section 4 mm² ... 6 mm²
External cable diameter 5 mm ... 10 mm
Protective bonding and protective grounding conductor
Type of cable entry Cable gland
Connection method Screw connection
Cable cross section 2x 16 mm²
External cable diameter 2x 6 mm ... 12 mm
DC output
Type of cable entry Cable gland
Connection method Push-in connection
Cable cross section 4 mm² ... 6 mm²
External cable diameter 5 mm ... 10 mm
DimensionsHousing
Width 361 mm
Height 254 mm
Depth 111 mm
Material specificationsMaterial Housing Polycarbonate
Material Cover/door Polycarbonate (transparent)
Environmental and real-life conditionsAmbient conditi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-1ST-0-DC-4MPPT-1100SEC with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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