

INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-4MPPT-1000EQSE 1491583 PHOENIX CONTACT String box for photovoltaic installations up to 1000

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Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-2ST-0-DC-4MPPT-1000EQSE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-4MPPT-1000EQSE
Catalog number	1491583
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
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Product Overview

String box for photovoltaic installations up to 1000 V DC for the connection of 4x 2 strings. Same number of input and output strings. With surge protection (type 1/2) and cable glands for the inlet and outlet side. Connection of the MPP trackers divided into two boxes.

String combiner box for photovoltaic systems up to 1000 V DC for connecting 4x 2 strings. Same number of input and output strings. With surge protection (type 1/2) and cable glands for the input and output side. Connection of the MPP trackers divided between two housings.

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)

Additional Product Information

Technical dataProduct propertiesProduct type String combiner box (SCB)

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. 20 A

Total current MPP tracker max. 40 A

Surge protection

EN type T1

IEC test classification T1

Protection level $U_p \leq 3.5$ kV

Total discharge current $I_{total}(10/350)$ μs 5 kA

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

Short-circuit current rating ISCPV 40 A

Input dataNumber of inputs: Strings 2 (per MPP tracker)

Number of supported MPP trackers 4

Output dataDC

Number of outputs: MPP tracker 4

Number of outputs: ± 2 (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 3 mm ... 6.5 mm

Protective bonding and protective grounding conductor

Type of cable entry Cable gland

Connection method Push-in 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 3 mm ... 6.5 mm

DimensionsHousing

Width 508 mm

Height 180 mm

Depth 111 mm

Material specificationsMaterial Housing Polycarbonate

Material Cover/door Polycarbonate (transparent)

Environmental and real-life conditionsAmbient conditions

Degree of protection IP65

Ambient temperature (operation) -20 °C ... 50 °C

Standards...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-4MPPT-1000EQSE with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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