INDUSTRIAL COMPONENT DATA

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

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
Document ID	EO-6C82B218CA
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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 Imax max. 20 A
Total current MPP tracker max. 40 A

Surge protection
EN type T1
IEC test classification T1
Protection level Up <= 3.5 kV
Total discharge current Itotal(10/350) µs 5 kA
Total discharge current Itotal(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

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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