

INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-12MPPT-1000EQS 1491828 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-12MPPT-1000EQS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-12MPPT-1000EQS
Catalog number	1491828
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 12x 2 strings. Same number of input and output strings. With surge protection (type 1/2) and cable glands for the inlet and outlet side.

String combiner box for photovoltaic systems up to 1000 V DC for connecting 12x 2 strings. Same number of input and output strings. With surge protection (type 1/2) 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)

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 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 12
Output dataDC
Number of outputs: MPP tracker 12
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 5 mm ... 7 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 ... 13 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 ... 7 mm
DimensionsHousing
Width 600 mm
Height 400 mm
Depth 230 mm
Material specificationsMaterial Housing Polyester fiberglass reinforced
Material Polyester fiberglass reinforced
Environmental and real-life conditionsAmbient conditions
Degree of protection IP65
Ambient temperature (operation) -20 °C ... 50 °C....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-12MPPT-1000EQS with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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