

INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-12MPPT-1300EQS 1460946 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-1300EQS



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-12MPPT-1300EQS
Catalog number	1460946
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-97A8814545
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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), DC fire load disconnecter with remote access and cable glands for the inlet and outlet side.

String combiner box for photovoltaic systems up to 1,000 V DC for connecting 12x 2 strings. Same number of input and output strings. With surge protection (type 1/2), DC fire department switch disconnecter with remote access, 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)

Additional Product Information

Technical dataProduct propertiesProduct type String combiner box (SCB)

Design DC fire department switch

Insulation characteristics

Protection class I

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
Fire department switch
Rated operating current DC-21B 40 A
Rated operating current DC-PV1 40 A
Power supply 230 V AC
Signal level Remote indication contact 24 V DC (floating)
Surge protection
EN type T1
IEC test classification T1
Protection level Up ≤ 3.6 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 dataDC
Number of inputs: Strings 2 (per MPP tracker)
Number of supported MPP trackers 12
Output dataDC
Number of outputs: MPP tracker 2
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 Screw connection
Cable cross section 2x 16 mm²
External cable diameter 2x 6 mm ... 12 mm
Fire department switch (emergency switching off)
Type of cable entry Cable gland
Connection method Push-in connection
Cable cross section 3x 0.14 mm² ... 2.5 mm² (230 V AC)
External cable diameter 6 mm ... 12 mm
Fire department switch (remote indica...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-12MPPT-1300EQS with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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