

## 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-5FBC38CA17                  |
| Generated       | 2026-09-22                     |

## 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 &gt; 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<sub>max</sub> 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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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