

**INDUSTRIAL COMPONENT DATA**

# SOL-SC-2ST-0-DC-3MPPT-1001SE 1478915 PHOENIX CONTACT String box for photovoltaic installations up to 1000 V ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-2ST-0-DC-3MPPT-1001SE



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | SOL-SC-2ST-0-DC-3MPPT-1001SE |
| Catalog number  | 1478915                      |
| Category        | Photovoltaic DC Stringbox    |
| Minimum order   | 25 Pcs                       |
| Document ID     | EO-666FACA597                |
| Generated       | 2026-09-22                   |

## Product Overview

String box for photovoltaic installations up to 1000 V DC for the connection of 3x 2 strings. With surge protection (type 1/2) and SUNCLIX DC connector for the input and output side (SUNCLIX coupling connector included in the scope of delivery). String combiner box for photovoltaic systems up to 1000 V DC for connecting 3x 2 strings. With surge protection (type 1/2) and SUNCLIX DC connectors for the input and output side (SUNCLIX mating connectors supplied as standard).

**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)

Scope of delivery SUNCLIX DC connector for connecting the 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<sub>max</sub> 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 dataDC  
Number of inputs: Strings 2 (per MPP tracker)  
Number of supported MPP trackers 3  
Output dataDC  
Number of outputs: MPP tracker 3  
Number of outputs: ± 1 (per MPP tracker)  
Connection dataDC input  
Type of cable entry SUNCLIX  
Cable cross section 2.5 mm² ... 6 mm²  
Protective bonding and protective grounding conductor  
Type of cable entry Cable gland  
Cable cross section 2x 16 mm²  
External cable diameter 6 mm ... 12 mm  
DC output  
Type of cable entry SUNCLIX  
Cable cross section 2.5 mm² ... 6 mm²  
DimensionsHousing  
Width 361 mm  
Height 254 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 ... 55 °C

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-3MPPT-1001SE 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

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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