

**INDUSTRIAL COMPONENT DATA**

# SOL-SC-2ST-0-DC-2MPPT-1001 2404295 PHOENIX CONTACT

## String combiner box (SCB)

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



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | PHOENIX CONTACT            |
| MPN / Reference | SOL-SC-2ST-0-DC-2MPPT-1001 |
| Catalog number  | 2404295                    |
| Category        | Photovoltaic DC Stringbox  |
| Minimum order   | 1 Pcs                      |
| Document ID     | EO-12CCE66EC0              |
| Generated       | 2026-08-05                 |

## Product Overview

String combiner box (SCB)

String box for photovoltaic installations up to 1000 V DC for the connection of 2x 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).

**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

Key Commercial Data

Orderkey 2404295

Packing unit 1 pc

GTIN 4055626367590

Weight per Piece (excluding packing) 2,500.000 g

Custom tariff number 85363030

Country of origin DE (Germany)

System parameter

System voltage 1000 V DC (Umax)

Number of string inputs 2 (per MPP tracker)

Current per string (max.) 20 A (Imax)

Number of outputs 1 (per MPP tracker)

Number of supported MPP trackers 2

**Safety equipment**

Surge protective device T1 / T2

Protection level Up ≤ 3.5 kV

Total discharge current Itotal(8/20) μs 40 kA

Total discharge current Itotal(10/350) μs 5 kA

**Cable entry**

Type of cable entry SUNCLIX

Cable cross section string input 2.5 mm² ... 6 mm²

Cable cross section output 2.5 mm² ... 6 mm²

Cable cross section grounding 16 mm² (2x)

Sealing area grounding 6 mm ... 12 mm (2x)

**General data**

Material cover/door Polycarbonate (transparent)

Degree of protection IP65

Protection class II

**Dimensions**

Outer dimensions: width, height, depth 254 mm x 180 mm x 111 mm (Housing dimensions)

**Ambient conditions**

Ambient temperature (operation) -20 °C ... 55 °C

**Classifications**

eCl@ss 10.0.127142422eCl@ss 5.127371890eCl@ss 7.027142422eCl@ss 8.027142422eCl@ss 9.027142422

ETIM 4.0EC000816ETIM 5.0EC000268ETIM 6.0EC000268ETIM 7.0EC000268

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

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