

INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-2MPPT-1001EQ 1117754 PHOENIX CONTACT String combiner box for photovoltaic systems up to 1000..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-2MPPT-1001EQ
Catalog number	1117754
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-4C7BA4E3F9
Generated	2026-08-04

Product Overview

String combiner box for photovoltaic systems up to 1000 V DC for the connection of 2x 2 strings. With surge protection and SUNCLIX DC connector for the input and output side.

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 1117754

Packing unit 1

GTIN 4063151044954

Custom tariff number 85363030

Drawings

Safety equipment

General data

Ambient conditions

System parameter

Cable entry

Dimensions

Classifications

Drawings

Connection diagram

Schematic application drawing

Dimensional drawing

Housing dimensions

Schematic diagram

Connection of the PV strings

Schematic diagram

Connection to the inverter

Schematic diagram

Connection of the protective grounding conductor

Schematic diagram

Connection of the protective equipotential bonding conductor

Back to topSystem parameter

System voltage 1000 V DC (U_{max})

Number of string inputs 2

Current per string (max.) 20 A (I_{max})

Number of outputs 2

Number of supported MPP trackers 2

Back to topSafety equipment

Surge protective device T1 / T2

Protection level U_p ≤ 3.5 kV

Total discharge current I_{total}(8/20) μs 40 kA

Total discharge current I_{total}(10/350) μs 5 kA

Back to topCable 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)

Back to topGeneral data

Material cover/door Polycarbonate (transparent)

Degree of protection IP65

Protection class II

Back to topDimensions

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

Back to topAmbient conditions

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

Back to topClassifications

eCl@ss

eCl@ss 10.0.1 2714...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-2MPPT-1001EQ with the required quantity to info@electricaonline.com or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.