INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-1MPPT-1101UD 1140107 PHOENIX CONTACT String combiner box for photovoltaic systems up to 1000..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-2ST-0-DC-1MPPT-1101UD



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-1MPPT-1101UD
Catalog number	1140107
Category	Photovoltaic DC Stringbox
Minimum order	5 Pcs
Document ID	EO-6BB121125B
Generated	2026-11-19

Product Overview

String combiner box for photovoltaic systems up to 1000 V DC for connecting 1x 2 strings. String introduction from above. With surge protection, DC switch disconnector, and SUNCLIX DC connector for the input and output sides.
String box for photovoltaic installations up to 1000 V DC for the connection of 1x 2 strings. Guiding the strings from above. With surge protection (type 1/2), DC charging disconnector 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 1140107
Packing unit 1
GTIN 4063151087883
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
Circuit diagram
Connection of the remote indication contact on the surge protection
Schematic diagram
Connection of the PV strings
Schematic diagram
Connection to the inverter
Schematic diagram
Connection of the protective grounding conductor on the surge protection
Back to topSystem parameter
System voltage 1000 V DC (Umax)
Number of string inputs 2
Current per string (max.) 16 A (Imax)
Number of outputs 1
Number of supported MPP trackers 1
Switching capacity 32 A (1000 V)
Back to topSafety 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
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
Sealing area grounding 6 mm ... 12 mm
Back to topGeneral data
Material cover/door Polycarbonate (transparent)
Degree of protection IP65
Protection class II
Back to topDimensions
Outer dimensions: width, height, depth 180 mm x 180 mm x 111 mm (Housing dimensions)
Back to topAmbient conditions
Ambient temperature (operation) -20 °C ... 45 °C....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-2ST-0-DC-1MPPT-1101UD 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.