

INDUSTRIAL COMPONENT DATA

SOL-SC-1ST-0-DC-2MPPT-1101 1056071 PHOENIX CONTACT

Switching device combination

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-1ST-0-DC-2MPPT-1101
Catalog number	1056071
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-E831C5EAAE
Generated	2026-08-03

Product Overview

Switching device combination

String box for photovoltaic installations up to 1000 V DC for the connection of 2x 1 string. With surge protection (type 1/2), DC load disconnecter and SUNCLIX DC connectors for the input and output side (SUNCLIX coupling connector included in the scope of delivery).

String combiner box for photovoltaic systems up to 1,000 V DC for connecting 2x 1 string. With surge protection (type 1/2), DC switch disconnecter, 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

Design DC switch disconnecter

Insulation characteristics

Protection class II

Electrical propertiesGeneral

MPP voltage U_n max. 1000 V DC

Non-load voltage U_{OC} max. 1100 V DC

Current per string I_{max} max. 32 A

DC switch disconnecter

Rated operating current DC-21B 32 A

Rated operating current DC-PV1 32 A

Rated operating current DC-PV2 32 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 32 A

Input dataDC

Number of inputs: Strings 1 (per MPP tracker)

Number of supported MPP trackers 2

Output dataDC

Number of outputs: MPP tracker 2

Number of outputs: ± 1 (per MPP tracker)

Connection dataDC input

Type of cable entry SUNCLIX

Cable cross-section range: 2.5 mm² ... 6 mm²

Protective bonding and protective grounding conductor

Type of cable entry Cable gland

Connection method Screw connection

Cable cross-section range: 2x 16 mm²

External cable diameter 2x 6 mm ... 12 mm

DC output

Type of cable entry SUNCLIX

Cable cross-section range: 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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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