

INDUSTRIAL COMPONENT DATA

SOL-SC-1ST-0-DC-4MPPT-1000SE 2404842 PHOENIX CONTACT String combiner box (SCB)

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-1ST-0-DC-4MPPT-1000SE



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-1ST-0-DC-4MPPT-1000SE
Catalog number	2404842
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-D7075F66C2
Generated	2026-08-04

Product Overview

String combiner box (SCB)

String box for photovoltaic installations up to 1000 V DC for the connection of 4x 1 string. With surge protection (type 1/2) and push-in connection for the input and output side.

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 2404842

Packing unit 1 pc

Minimum order quantity 25 pc

Note Made to Order (non-returnable)

GTIN 4055626457178

Weight per Piece (excluding packing) 10,000.000 g

Custom tariff number 85363030

Country of origin DE (Germany)

System parameter

System voltage 1000 V DC (Umax)

Number of string inputs 1 (per MPP tracker)

Current per string (max.) 40 A (Imax)

Number of outputs 1 (per MPP tracker)

Number of supported MPP trackers 4

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 Cable gland

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

Sealing area string input 3 mm ... 6.5 mm

Cable cross section output 2.5 mm² ... 6 mm²

Sealing area output 3 mm ... 6.5 mm

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 361 mm x 254 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-1ST-0-DC-4MPPT-1000SE 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.