

INDUSTRIAL COMPONENT DATA

SOL-SC-2ST-0-DC-1MPPT-1000 1016811 PHOENIX CONTACT

String combiner box (SCB)

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-2ST-0-DC-1MPPT-1000



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-2ST-0-DC-1MPPT-1000
Catalog number	1016811
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
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Product Overview

String combiner box (SCB)

String box for photovoltaic installations up to 1000 V DC for the connection of 1x 2 strings. With surge protection (type 1/2) and cable glands for the inlet and outlet 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 1016811

Packing unit 1 pc

GTIN 4055626499147

Weight per Piece (excluding packing) 1,750.000 g

Custom tariff number 85363030

Country of origin DE (Germany)

System parameter

System voltage 1000 V DC (Umax)

Number of string inputs 2

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

Number of outputs 1

Number of supported MPP trackers 1

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 (2 x)

Sealing area grounding 6 mm ... 12 mm

General data

Material cover/door Polycarbonate (transparent)

Degree of protection IP65

Protection class II

Dimensions

Outer dimensions: width, height, depth 180 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-1MPPT-1000 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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