INDUSTRIAL COMPONENT DATA

SOL-SC-3ST-0-DC-1MPPT-1001EQ 1064363 PHOENIX CONTACT Switching device combination

Brand: PHOENIX CONTACT | Manufacturer Part Number: SOL-SC-3ST-0-DC-1MPPT-1001EQ



Manufacturer	PHOENIX CONTACT
MPN / Reference	SOL-SC-3ST-0-DC-1MPPT-1001EQ
Catalog number	1064363
Category	Photovoltaic DC Stringbox
Minimum order	1 Pcs
Document ID	EO-FD25864BD3
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Product Overview

Switching device combination
String box for photovoltaic installations up to 1000 V DC for the connection of 1x 3 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). String combiner box for photovoltaic systems up to 1000 V DC for connecting 1x 3 strings. Same number of input and output strings. With surge protection (type 1/2) 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
Insulation characteristics
Protection class II
Electrical propertiesGeneral
MPP voltage Un max. 1000 V DC
Non-load voltage UOC max. 1100 V DC
Current per string Imax max. 13.3 A
Total current MPP tracker max. 40 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 40 A
Input dataDC
Number of inputs: Strings 3 (per MPP tracker)
Number of supported MPP trackers 1
Output dataDC
Number of outputs: MPP tracker 1
Number of outputs: ± 3 (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 6 mm ... 12 mm
DC output
Type of cable entry SUNCLIX
Cable cross-section range: 2.5 mm² ... 6 mm²
DimensionsHousing
Width 180 mm
Height 180 mm
Depth 111 mm
Material specificationsMaterial Housing Polycarbonate
Material Cover/door Polycarbonate (transparent)
Environmental and real-life conditionsAmbient conditions
Degree of protection IP65
Ambient temperature (operation) -20 °C ... 55 °C

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SOL-SC-3ST-0-DC-1MPPT-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

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