

String combiner box (SCB) - SOL-SC-24ST-1-15F-00000031 - 1118971

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String combiner box for photovoltaic systems up to 1500 V DC for the connection of up to 24 strings. With two-sided fuse protection via fuse holder. Cable entry via multi-cable gland. Including 15 A fuse-links.

Product Description


The Solarline string combiner boxes (SCBs) are used in both small rooftop systems and large ground-mounted systems. Their functions include collecting and protecting strings and, if necessary, separating the panels from the rest of the system by means of a switch disconnecter or fire service switch disconnecter.

Your advantages

- ✓ Large portfolio of string combiner boxes in stock
- ✓ Application-oriented analysis and consultation
- ✓ Use of the best connection technologies and suitable components
- ✓ Durable and error-free operation, thanks to comprehensively tested solutions
- ✓ Standard-compliant switchgear and controlgear assembly, thanks to use of DIN EN 61439



Key Commercial Data

Packing unit	1
GTIN	 4 063151 048211
GTIN	4063151048211
Custom tariff number	85372091

Technical data

System parameter

System voltage	1500 V DC (U_{max})
Number of string inputs	24
Current per string (typical)	9 A (I_{nc} , up to 50°C)

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Technical data

System parameter

	10 A (I_{nc} , up to 45°C)
Current per string (max.)	12.5 A (I_{max} , up to 19°C)
Number of outputs	1
Number of supported MPP trackers	1

Safety equipment

String fuse	10:3 x 38 mm (in scope of delivery)
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Cable entry

Type of cable entry	Cable gland
Cable cross section string input	4 mm ² ... 6 mm ²
Sealing area string input	5 mm ... 7 mm
Cable cross section output	300 mm ²
Sealing area output	21 mm ... 35 mm
Bolt diameter output (cable lug)	12 mm

General data

Housing material	Fiberglass-reinforced plastic
Weight	20000 g
Installation location	Outdoor installation, roofed area, no direct sunlight
Degree of protection	IP65
Protection class	II
Impact strength	IK10

Dimensions

Outer dimensions: width, height, depth	535 mm x 735 mm x 270 mm (Housing dimensions)
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Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (Derating starting at 45°C)
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Standards and Regulations

Standards/specifications	IEC 61439-2
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Classifications

eCl@ss

eCl@ss 10.0.1	27142422
eCl@ss 11.0	27142422
eCl@ss 5.1	27371890
eCl@ss 7.0	27142422

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Classifications

eCl@ss

eCl@ss 9.0	27142422
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ETIM

ETIM 4.0	EC000268
ETIM 6.0	EC000268
ETIM 7.0	EC000268