



Technical datasheet

Description

Part No.: 3200100036

Product Code: MSB-488-16-1005-CDC-EXEL

DC-string box with disconnect switch and surge arrester for solar inverters

Max. number of MPPTs 4 MPPT

Max. number of strings 8 incoming + 8 outgoing

Max. Voltage 1005 Vdc Max. current per string 16 A

Max. current per MPPT 32 A (16 A per string)

Surge protection device (SPD) surge arrester

Class type 2 Max. PV voltage (UCPV) 1170 Vdc Voltage protection level (UP) \leq 4kV

Terminal cross section 1.5 - 10 mm²

DC disconnect switch MDC10A-662V-9121

Enclosure polycarbonate watertight distribution box

Impact resistance IK08

Ambient Temperature -25°C to +40°C

Degree of protection IP65

Standard CE acc. IEC 61439-2

Electrical Data Series MDC10A-662 according to IEC 60947-3:

Rated short time withstand current I_{cw} 600A – 1 sec. Rated short time making capacity I_{cm} 600A Rated Impulse Withstand Voltage U_{imp} 8kV Rated Insulation Voltage U_i 1005V

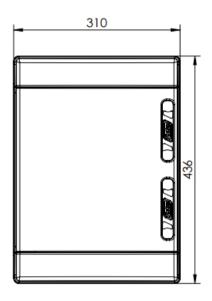
Terminal cross section - solid or stranded min./max. 1.5 - 10 mm²

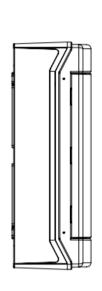
- finely stranded with sleeve min./max. 1.5 - 10 mm²

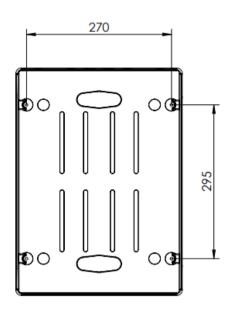
Wiring see page 3 electrical circuit diagram

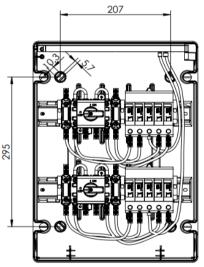


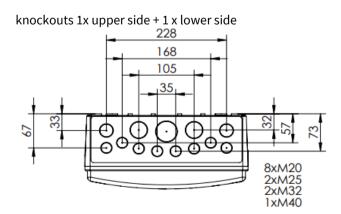












Electrical circuit diagram

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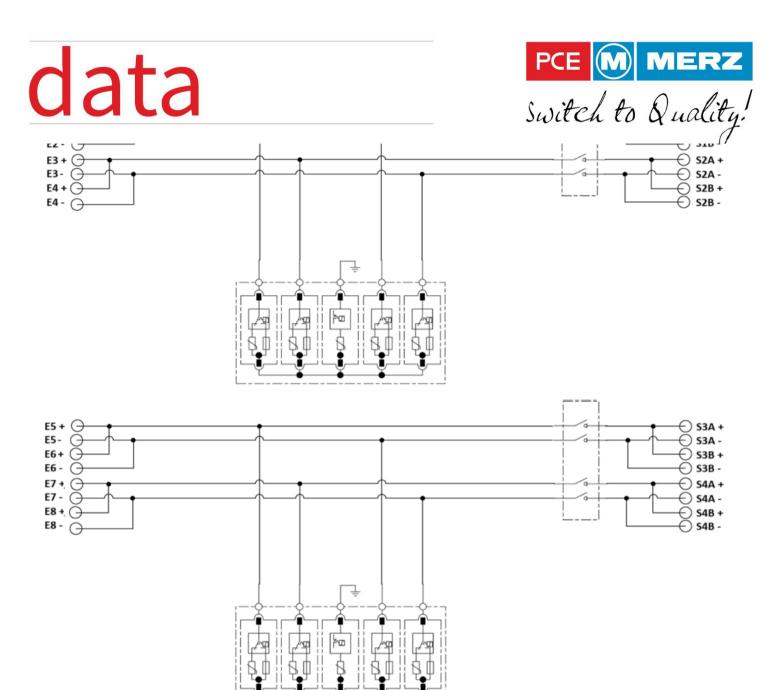
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Irrtümer, Druckfehler und technische Änderungen vorbehalten.





1 S1 A/B+
2 S1 A/BIrrtümer, Druckfehler und technische Änderungen vorbehalten.

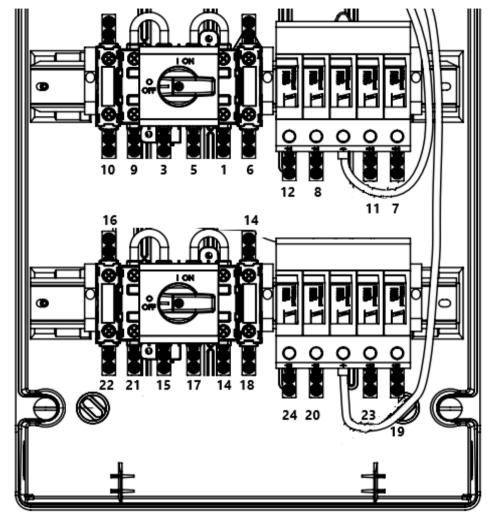
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data



Switch to Quality!



5	E1+
6	E1-
7	E2+
8	E2-
9	E3+
10	E3-
11	E4+
12	E4-
13	S3 A/B+
14	S3 A/B-
15	S4 A/B+
16	S4 A/B-
17	E5+
18	E5-
19	E6+
20	E6-
21	E7+
22	E7-
23	E8+
24	E8-

Do not modify the factory pre-wiring

Connect the wires to the multiple terminals with a tightening torque of 0.8Nm

Check that all the multiple terminals are well tightened

Switch: 1.2 - 1.4Nm

SPD: 4.0Nm

Never exceed the current and voltage values indicated in the technical specification sheet