

DC contactors C310 and C320

Schaltbau contactors ensure safety of energy storage systems



Customer profile

- Application: Energy Storage Systems
- Industry: Renewable Energy
- Location: worldwide

Customer case

- A leading manufacturer of long-term energy storage systems was looking for an alternative to gas encapsulated contactors.
- The solution used so far led to recurring field failures resulting in system downtime.
- A more robust contactor was required to improve system availability and total cost of ownership for the customer.

Schaltbau solution

Schaltbau DC contactors ensure safe operation by:

- being fully bi-directional: Safe disconnection of high powers irrespective of the current direction
- having high making capacity I_{cm} up to 4,000 amps leading to increased system availability
- excellent breaking capacity: The contactors retain its full function when disconnecting high currents
- having low energy consumption and low heating thanks to sophisticated coil saving circuit
- providing higher safety due to auxiliary contacts: Mirror contact functionality IEC 60947-4-1, Annex

Moreover, the customer's total cost of ownership has improved.



C310

C320

Contactors C310:

DC bi-directional up to
1500 V / 500 A

Contactors C320:

DC bi-directional up to
1500 V / 1000 A