

DC contactors C300

Schaltbau improves reliability and availability of DBT charging stations



DC is the fastest growing and most challenging technology. Schaltbau is one of the few direct-current experts worldwide with decades of expertise. That is why more and more customers are relying on the DC contactors from Schaltbau.

Customer profile

- Application: Unidirectional charging stations
- Industry: EV Charging
- Country: France

Customer case

- DBT is a manufacturer of innovating AC and DC EV charging solutions based in France.
- Because the contactors used in the DC charging stations couldn't handle high current making cycles, DBT was experiencing recurring field failures and increased costs due to non-planned after-sales interventions
- A robust contactor with a better contacts reliability was required.

Schaltbau solution

Schaltbau DC contactors C300 have improved safety and reliability by:

- having high thermal continuous current I_{th} – the contactor can carry up to 500 A continuously
- having high short time making capacity I_{cm} with possible making cycle up to 6,000 A
- having auxiliary switches with mirror contact function, which replicate the status of the main contacts accurately

Further customer benefits:

- Local customer assistance through experienced Schaltbau engineers
- Schaltbau France delivered a complete drop-in solution (distribution plate) that enabled the customer to replace the previous contactors without having to change the design of the charging stations



C300 series

Single-pole
bi-directional
DC contactors for
up to 1,500 V / 500 A