SCHALTBAU SUCCESS STORY

DC contactor C310

Schaltbau improves operation of DC fast charging stations and dispensers

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: Bi-directional charging station
- Industry: EV charging
- Country: USA

Customer case

- A leading US manufacturer of best-in-class high-power products for the automotive industry wanted to improve its DC fast charging stations and dispensers.
- An important factor in the design is reliability and safety to ensure continuous operation at rated loads.
- Design to support power flow to and from the grid.
- The company wanted a bidirectional DC contactor that was compact in size but had high thermal tolerances to mitigate heat inside the unit.

Schaltbau solution

DC contactors C310 series improved operation by:

- Switching under load no matter if charging or discharging (bi-directional).
- Being resettable, several switching under load allowed.
- Ensuring safe arc treatment.
- No critical currents.
- Operating in high demanding applications like Railway.
- Being built for lasting.
- Having high current carrying capacity.
- Being high efficient due to low power dissipation.

Moreover, they lowered the customer’s total cost of ownership.

C310 series

1 pole

Bi-directional DC

NO contactors for up to 1,500 V / 500 A