

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