

www.schaltbau.com

The background of the advertisement is a nighttime photograph of a road. The road is illuminated by a bright, glowing energy wave that travels from the left towards the right. The energy wave is composed of multiple overlapping, wavy lines in shades of blue, green, and purple, creating a sense of motion and power. The road surface is dark, and the surrounding trees and sky are silhouetted against the night sky, which is filled with stars.

NEW MOBILITY

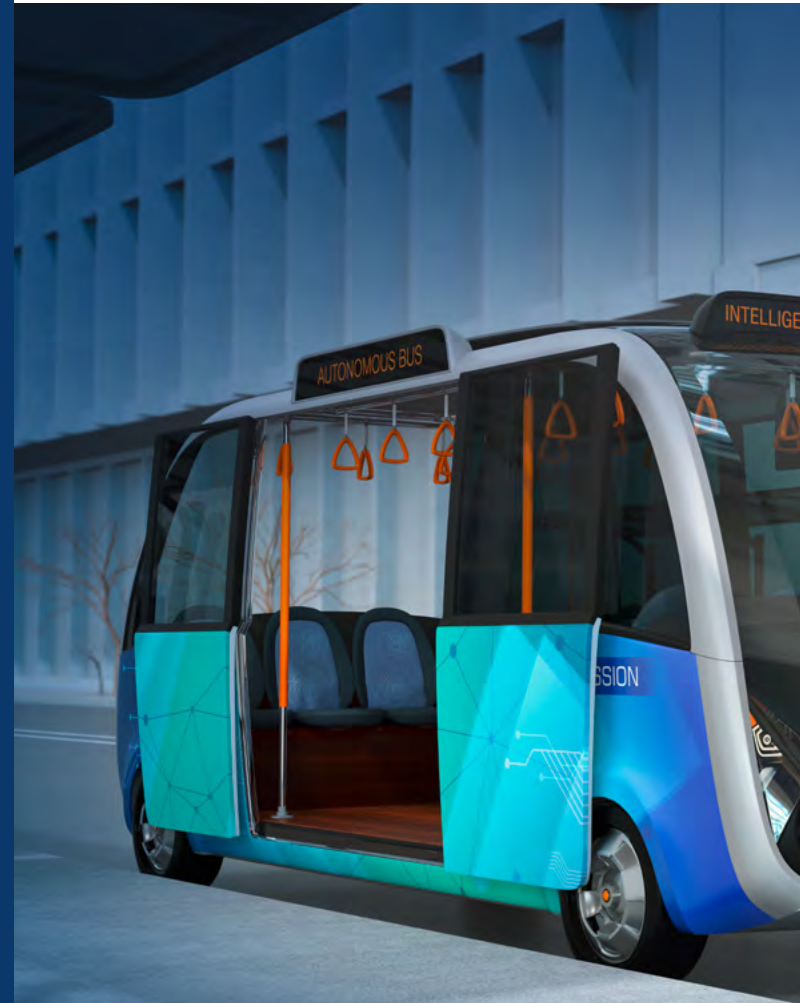
DC UNDER CONTROL

DC under control

Take advantage of our DC switching expertise.

As a specialist for high-quality DC applications, Schaltbau GmbH has been developing and producing electromechanical components for rail technology and industry since 1929 – fulfilling all quality, reliability and durability demands every step of the way.

Schaltbau is a well-known supplier worldwide and expert in switching and controlling direct currents under demanding conditions.



Schaltbau: 360° of expertise!

Predicting tomorrow today is admirable.

Acting prudently ahead of time is remarkable:

Thanks to our decades of experience and process support expertise in developing and producing electromechanical components, we are an invaluable development partner for customers seeking the right solution.

Our sales engineers are experienced professionals who work closely with our developers and design engineers, and they are well-versed in all branches of industry relevant for electromobility. This know-how forms the bridge between customer requirements and product realization.

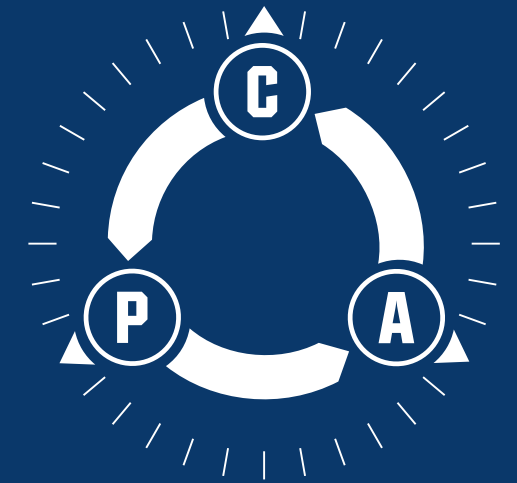
In this way, our customers always enjoy the support of an expert who can offer qualified advice, ensuring the right solution for every application.

How can we help you in the emerging e-mobility market?

Together we can find the best solution:

Phone +49 89 93005 - 0

E-mail new.mobility@schaltbau.de



C Consulting

Experts are the best consultants.

Schaltbau specialises in electromechanical components and customer-specific solutions, and the company boasts decades of experience in development, process support and manufacturing.

A Application

No need to reinvent the wheel.

Schaltbau application engineers have access to a treasure trove of knowledge and experience including a host of realised applications. As a result, you benefit from analogies and empirical data that may be of some value for your application.

P Product

The right solution may possibly be an item from our product line, a special design with little need for adaptation, or a completely new design – because customising is standard with us!

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New Mobility

Reliably disconnecting high voltages in electric vehicles

Powerful lithium-ion batteries are currently the most common battery type used for electromobility. Schaltbau's DC contactors play a key role within the safety circuit: They reliably disconnect in case of failure and therefore ensure galvanic isolation between the battery and the rest of the vehicle's electrical system.

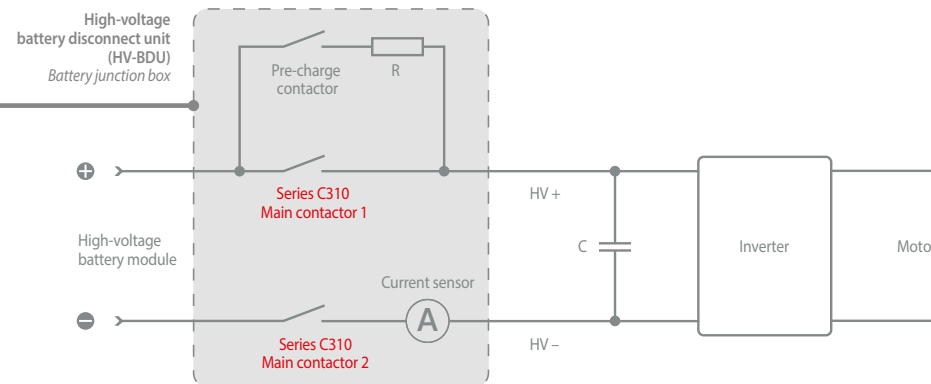
NEW!



Series C310

C310 – Main contactor for the HV battery disconnect unit (HV-BDU)

- > Compact single-pole NO contactor for AC and DC (bi-directional) up to 1500 V
- > Making current I_{cm} up to 2500 A
- > Thermal continuous current up to 500 A
- > Without insulation gas
- > Low energy consumption



Connect and control up to 2000 A

The switching voltage and switching current requirements depend on the power class of the vehicle. Schaltbau DC products are tailored to fit each customer.



Schaltbau DC components

DC main contactors

DC control contactors

DC pre-charge contactors

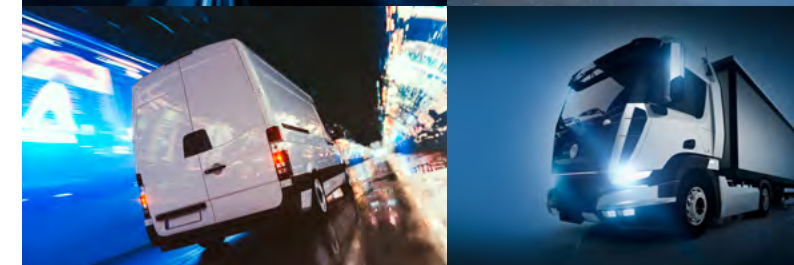
DC traction contactors

Charging connectors

Suitable for a range of applications:

- > e-Busses
- > e-Cars
- > e-Light commercial vehicles
- > e-Commercial trucks
- > e-Trucks
- > e-Fork lift trucks
- > e-Pedestrian trucks
- > AGVs

* Series in development



Markets and Applications

We develop our contactors, connectors and snap-action switches in line with the safety standards of railway engineering. Electromechanical components from Schaltbau are used in all branches of industry in which electrical systems have to be contacted, connected and controlled reliably under the harshest conditions.

RAILWAY

Safely on track. Switching and controlling features which meet the highest requirements. For goods and passengers.

INDUSTRY

Reliable in production. Certified variations on safety-relevant solutions. For man and machine.

NEW MOBILITY

Safe either way. Safely disconnecting high voltages in electric vehicles. For tomorrow's mobility solutions.

NEW ENERGY

More power for electricity. Top-notch safety for stationary energy supply systems. For renewable energies.

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