NEW MOBILITY
DC UNDER CONTROL

www.schaltbau.com
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.

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.

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!

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@schatbau.de

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.

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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.

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

Suitable for a range of applications:
- E-Busses
- E-Cars
- E-Light commercial vehicles
- E-Commercial trucks
- E-Trailers
- AGVs

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.

NEW!
C310 – Main contactor for the HV battery disconnect unit (HV-BDU)
- Compact single-pole NO contactor for AC and DC (in alternating up to 1300 V)
- Making current up to 2500 A
- Thermal continuous current up to 500 A
- Without insulation gas
- Low-energy consumption

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Inverter Motor
Series C310
Main contactor 2
Current sensor
Series C310
Main contactor 1
High-voltage battery module
Pre-charge contactor
Series C310
High-voltage battery disconnect unit (HV-BDU)
Battery junction box
DC control contactors
DC pre-charge contactors
DC traction contactors
DC main contactors
Charging connectors
Series C110B
Series LV
Series CP
Series CT
Series C195X
Series CF*
Series C70B
Series C70X
Series C70P
* 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.

<table>
<thead>
<tr>
<th>RAILWAY</th>
<th>INDUSTRY</th>
<th>NEW MOBILITY</th>
<th>NEW ENERGY</th>
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<tbody>
<tr>
<td>Safely on track. Switching and controlling features which meet the highest requirements. For goods and passengers.</td>
<td>Reliable in production. Certified variations on safety-relevant solutions. For man and machine.</td>
<td>Safe either way. Safely disconnecting high voltages in electric vehicles. For tomorrow's mobility solutions.</td>
<td>More power for electricity. Top-notch safety for stationary energy supply systems. For renewable energies.</td>
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