Your innovative partner for

DEVELOPMENT
AND MANUFACTURING

From concept to series production

<table>
<thead>
<tr>
<th>Electronic Components</th>
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Safe charging technology

INDUCTORS AND TRANSFORMERS

High power conversion

As with all applications that require extremely careful power control, choosing the right electromagnetic components is crucial. Not only will a carefully designed product need the right product for the safety regulations to be met at the project level but also the very high quality standards. High currents also require high power components, especially with regard to rapid charging technology.

With our interdisciplinary expertise, we provide support at every stage of development, from the idea behind the concept and planning through to serial production.

- High power conversion
- Conversion of alternating current (AC) to direct current (DC)
- Adjustment of direct current to the requirements of the battery
- Galvanic isolation/decoupling
- Power Factor Correction (PFC)

We are a member of:

We are certified:

ISO 9001:2015 - valid until 23.09.2022
AEO-DE AEOF 118110 - valid from 10.07.2013

Fourteen years of experience in e-mobility systems

Solutions for e-mobility

ELECTRONICS AND SENSORS

Innovative components for safe charging technology

- Circuit board design
- Thermal sensors
- Cable manufacturing
- High current plug connectors
- LED displays and lighting

E-mobility.alacsystems.de

We are proud Member of:

ALAC GmbH
In der Welsmicke 5
57399 Kirchhundem
info@alacsystems.de
www.alacsystems.de
+ 49 (0) 2764 - 932 - 0
+ 49 (0) 2764 - 932 - 111

Years since 1993
Do not spend any more time looking for the right product, but the right partner for development and production.

Kay Naber
CEO, ALAC GmbH

We support you as a
SOLUTION PARTNER
AND INITIATOR

Join us in the fast lane

We have been a specialist in the field of electronic assemblies and tailor-made connection solutions for more than 25 years. From development and production to experience as a result of intensive and long-standing cooperation with tier1 and tier2 suppliers to the automotive industry, our comprehensive expertise in the field of electromobility is a sunny outlook for the future. These factors require a wide range of services from consultation, design and development through to serial production and delivery.

The advantages of our solutions

- Easy integration into the existing inlet
- Extremely compact design
- Modular printed circuit board design allows for various variants
- Robust system through the simplification of components, i.e. elimination of soldering processes
- High-precision temperature measurement supports fast charging technology
- Increased functionality of the charging inlet through the integration of features such as LED display andohonized systems

Depending on requirements we supply the latest components or alternatively, we integrate them in complete systems.

The electrification of mobility continues to gain momentum, but topics such as battery technology and infrastructure are in the main focus. At the same time, advanced connection technology plays a role that should not be underestimated. The solution that developed and marketed our value-added services for the electrification of mobility in the field of high current contacts beyond the context of our competencies, development and production in the field of high current contacts, we offer a key component designed for high currents.

Applications in the field of electromobility

Together with our customer, we have successfully developed a solution for temperature detection in the leading unit of the solution that optimizes the design and further optimizes our current contacts. In addition, with our own connector development and production in the field of high current contacts, we offer a key component designed for high currents.

Our services

- Product development
- Prototypes and prototype construction
- Manufacturing and production
- Quality monitoring and control
- Process and product optimization
- Logistic, warehousing and customs
- Processing complaints
- Inspection and product testing

| Electronic components |
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| High-current plug connectors |
| LED displays and lighting |

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- LED displays and lighting

We deliver with the quality thinking of a supplier to the automobile industry.

Dr. Alfons Naber
CEO, ALAC GmbH
As with all applications that require extremely careful power control, choosing the right electromagnetic components is crucial. Offsets, accidental products or needed products that are not safely integrated into the project lead to devices with high quality standards. High currents also require high-power components, especially with regard to rapid charging technology.

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We are proud Members of:

- 800 filling stations
- 300 filling stations
- 300 filling stations
- 300 filling stations

We are certified:

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