

fischer Automotive develops automatic charger socket cover

Innovation for e-vehicles

Electric vehicles are the future of mobility and make a significant contribution to counteracting climate change. fischer Automotive has developed an innovative cover system for the charger sockets of electronic vehicles which have proven to be highly popular in China. The product will now also be used in Europe.

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fischer Automotive's charger socket cover is now available on the European market. The electrically operated cover for charging devices on electric vehicles is always locked for security purposes. Illuminated by LEDs, the cover is opened by key, switch or hand gesture depending on the model. The module is operated by actuators which convert the control unit's signals and commands. Should the electronics ever fail, an emergency release provides access to the charging socket.

Another special feature is the cover, which opens inwards, whereas most systems in Europe open outwards. The component was developed at fischer Automotive's headquarters in Horb am Neckar, Germany. "It wasn't just the kinematic system that was a challenge, but also the material of the socket cover which consists of plastic and has to precisely fit into the metal of the vehicle body", Head of Development Ulf Lothar Bastian states, describing the exceptional tasks involved in development. The cover has also been designed to permanently resist environmental influences and temperature fluctuations.

The components are developed and produced at fischer Automotive's Chinese subsidiary and are already being used on the assembly lines of Chinese automotive manufacturers. Based in Taicang, the subsidiary has been a popular supplier of high-quality mechanical components for years, including air vents that are used in vehicles of all drive types.

With the launch of the charger socket cover, the German company tapped into another market segment in China. The success of the Taicang site is also evidenced by the Supplier Quality Improvement Award, with which fischer Automotive was honoured by Xiaopeng, one of China's leading electric vehicle manufacturers.

Image caption:

Charger socket cover by fischer Automotive.

Image: fischer Automotive

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 988 million euro in 2021 with a worldwide staff of 5,400 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and fischer Electronic Solutions.

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures electronic solutions including product and system developments based on the latest technology as well as custom production orders processed in the company's own production facilities. As an experienced provider of development and production services for custom systems such as multi-touch solutions made of glass and the corresponding controller units, fischer Electronic Solutions forms the perfect link between the customer and the final product.

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