

schurter.com

Circuit Protection

Connectors

EMC Products

Switches

Input Systems

Solutions

 **SCHURTER**
ELECTRONIC COMPONENTS

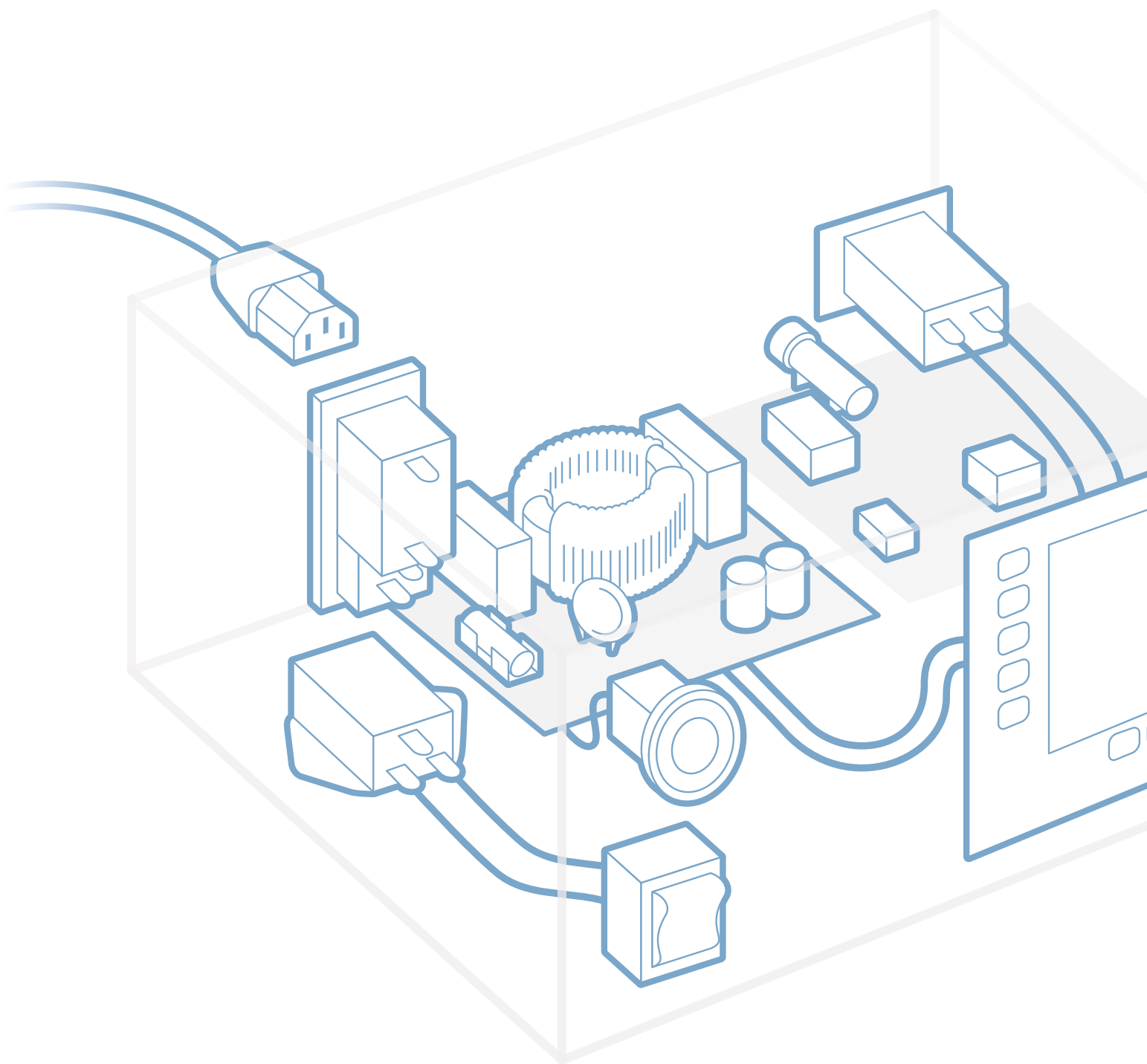
Products, Technologies and Solutions

for safe power supply and
ease of use



Products, Technologies and Solutions

for safe power supply and ease of use



SCHURTER – Safety is our Business

As a leading innovator, SCHURTER manufactures and distributes components for circuit protection, as well as connectors, switches and EMC products. In close cooperation with the customers, input systems are developed and manufactured. SCHURTER also offers services for the electronics industry in the field of printed circuit board assembly. The business unit Solutions coordinates complete solutions from project planning to the manufacture of end products.

” Our customers receive the best fit product for their individual needs from SCHURTER worldwide. For decades SCHURTER has been ensuring excellent product quality in compliance with the requirement of ecological and economic sustainability. “

Thomas Schurter | Chairman of the Board of Directors | SCHURTER Holding AG

Circuit Protection

Resettable Fuses
Thermofuses
Fuseholders
Circuit Breaker
Voltage Selector

Connectors

Power Entry Modules
Connectors (Plug/Socket)
Cord Connectors
Distribution Units
Cord Sets
Test Jacks and Probes
Data and Signal (Plug/Socket)
DC Plug/Socket
DIN Plug/Socket

EMC Products

Power Entry Modules with Filter
Single Phase Block Filter
3-Phase Block Filter
Suppression Chokes
Pulse Transformers

Switches

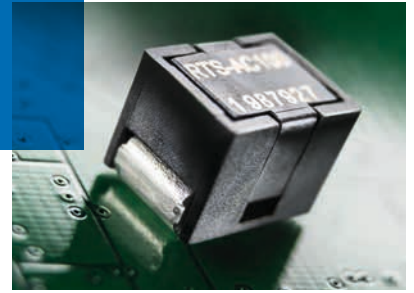
Metal Line Switches
Momentary Action Switch
Indicators

Input Systems

Touch Screen Solutions
Membrane Keypads
Enclosure Systems

Solutions

Circuit Protection



SCHURTER circuit protection includes fuses and circuit breakers in non-resettable and resettable versions. The products protect electrical and electronic systems against overcurrent, undervoltage and overtemperature. [schurter.com/cp](https://www.schurter.com/cp)

Fuses

The fuses from SCHURTER are suitable for primary and secondary protection in electrical and electronic devices. They comply with international safety standards.

Thermofuses

SMD thermal fuses from SCHURTER are particularly suitable for protecting power semiconductors in electronic circuits.

Fuseholder

Fuseholders from SCHURTER are suitable for the use of fuse links in electrical and electronic devices.

Circuit Breaker

SCHURTER circuit breakers are designed for electrical and electronic devices. They comply with international safety standards. Single, double and three-pole types are available with different tripping and mounting types.





Avionics and Space

SCHURTER provides zero-defect solutions to meet the highly specific requirements of electronic systems used in aircraft, satellites and spacecraft.

” The highly professional co-operation with SCHURTER has not only produced a groundbreaking specification for the qualification of fuses for space travel – it has also been a real pleasure. In addition to their excellent technological competence, the employees involved also proved to be extremely pleasant to work with. “

Denis Lacombe | Customer ESTEC/ESA | Engineer



The SCHURTER device connector range includes a wide variety of connector components according to IEC 60320 for power supply. The extensive range of connectors is supplemented by further functional components such as switches, fuse holders, filters and others. The range also includes supplementary plug-in systems and device connection cables.
schurter.com/ec

Connectors





Data and Communication

Secure power supply and simple processing for use
in data centers

” High availability and reliability are essential in our
business. In SCHURTER, we have a long-term partner
which we can rely on. “

Adrian Riedo | Founder and CEO | Riedo Networks LTD.



SCHURTER offers its customers a wide range of standard products to ensure electromagnetic compatibility (EMC). 1-phase and 3-phase mains filters with and without IEC mains plugs, chokes, pulse transformers and customer-specific winding goods. [schurter.com/emc](https://www.schurter.com/emc)



EMC Products





Energy

SCHURTER offers a wide range of internationally approved components as well as customized solutions which are used in reliable power supply systems.

” Innovation is our business. In SCHURTER we have found a flexible and reliable partner who helps us to implement our ideas at the highest level. “

Roland Durot | Customer | System Planner



The SCHURTER product range for input systems includes touch screen solutions, membrane keypads, housing systems as well as a broad spectrum of electromechanical and electronic switches. The various design versions allow a wide range of applications. schurter.com/is



Input Systems and Switches





Medical Equipment

SCHURTER components for high-quality medical equipment are used wherever certified and safe solutions are required. Our wide range of safe power supplies and specific user interfaces covers the requirements of this demanding market.

” With our focus on the medical and automation technology markets, we are developing and producing touch panels and PCAP input systems that are perfectly tailored to the specific applications, in close co-operation with our customers. “

Marek Brázda | Managing Director | aki electronic



SCHURTER offers solutions for safe power supply and easy operation using the latest technologies to ensure maximum safety and intuitive handling. Accordingly, the company is making targeted investments in research, technology and process development. Since 1933, the existing competencies and know-how have been continuously expanded. As a result, excellent products are manufactured from high-quality raw materials that are suited to the respective area of application. The focus is on sustainable and fully automated production. The aim is to continuously monitor and optimize both the material usage record and the reliability of the products.

[schurter.com/tech](https://www.schurter.com/tech)

Technologies





Projection Capacitive Touchscreens (PCAP)

The technology of projected capacitive touchscreens established in mobile devices has been further developed to full industrial suitability. This technology allows the surface to be operated through glass, plastic or other non-conductive materials. Production processes such as the automated lamination of film sensors, the bonding of glass sensors, the optical bonding of displays and glass printing as well as the mechanical glass processing itself are carried out on state-of-the-art production facilities.

Wire Bonding and Thin Film Technologies

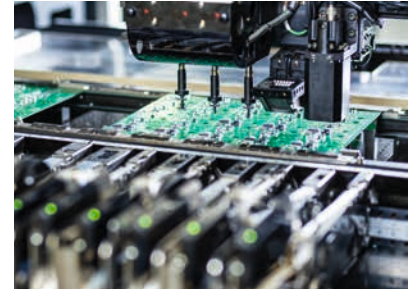
The constant miniaturization, which we know from the chip industry, has long since found its way into the production of state-of-the-art fuses. Thanks to wire bonding and thin-film technologies, low-loss and precisely triggering protective elements can be manufactured. These are also immune to vibrations and high pulse loads. Production takes place on highly automated systems.

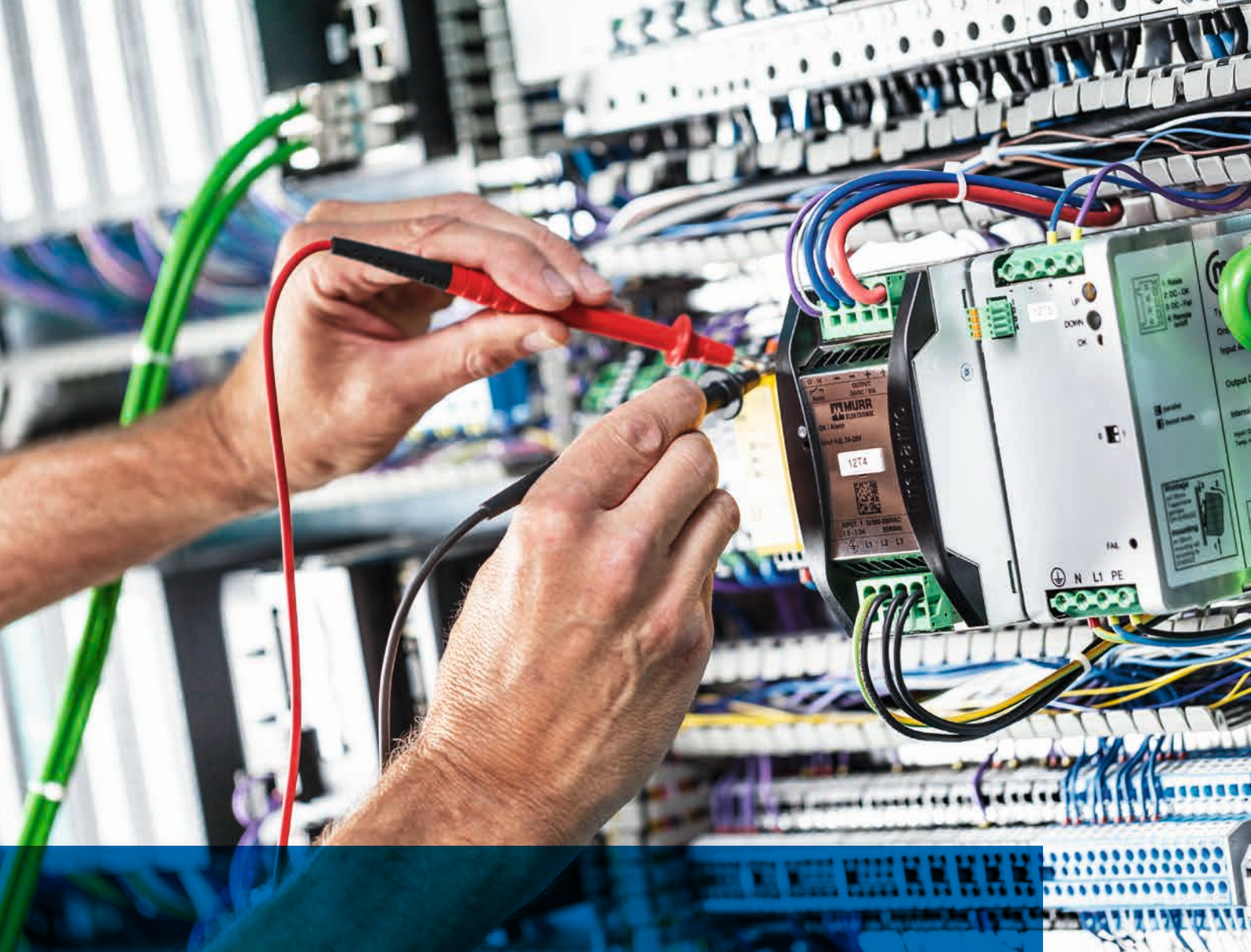
Computer-Aided Design (CAD) and Development (CAE)

In addition to the products, various tools and assembly machines are also developed and manufactured in-house. The CAD data support the preliminary simulation. The transferred data is then used further for the manufacturing process of electronics development, the repetitive optimal solutions and the support of the life cycle process.

Electronics Manufacturing Service (EMS)

The in-house realization of electronic assemblies is a key component of digital products. The short life cycles due to rapid technological developments call for flexible and fully integrated solutions. State-of-the-art assembly systems are coupled with inspection and procurement systems to ensure optimum throughput times.





Industrial Equipment

SCHURTER offers a wide range of internationally approved components that can be used in almost all industrial plants. More than 20,000 products are available worldwide from your preferred dealer.

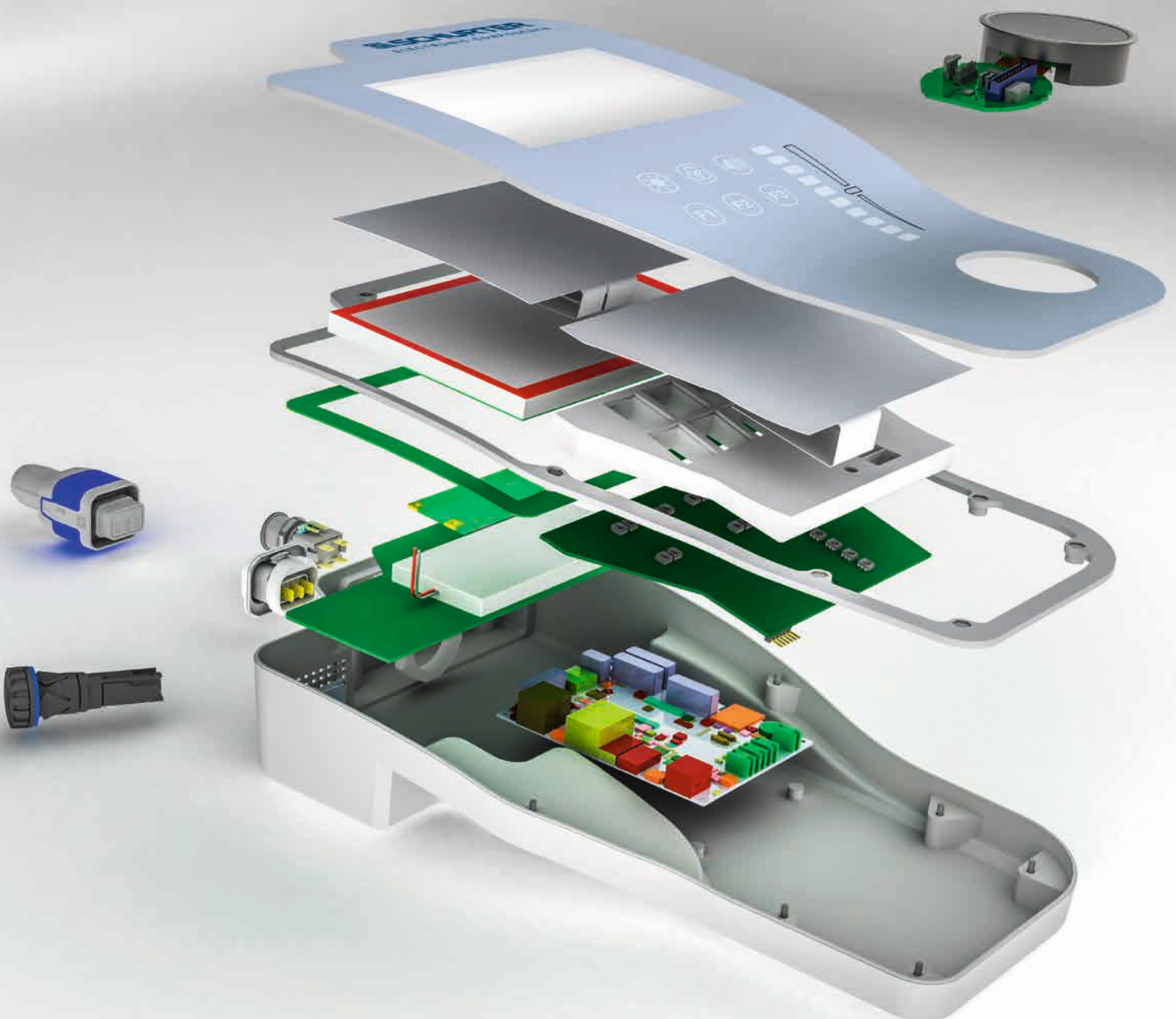
” We align our innovation-driven system to customer-specific solutions of any type of input system. Due to our extensive knowledge in different fields of technology and customer-focused project management, we deliver quality systems for a range of applications to full customer satisfaction. “

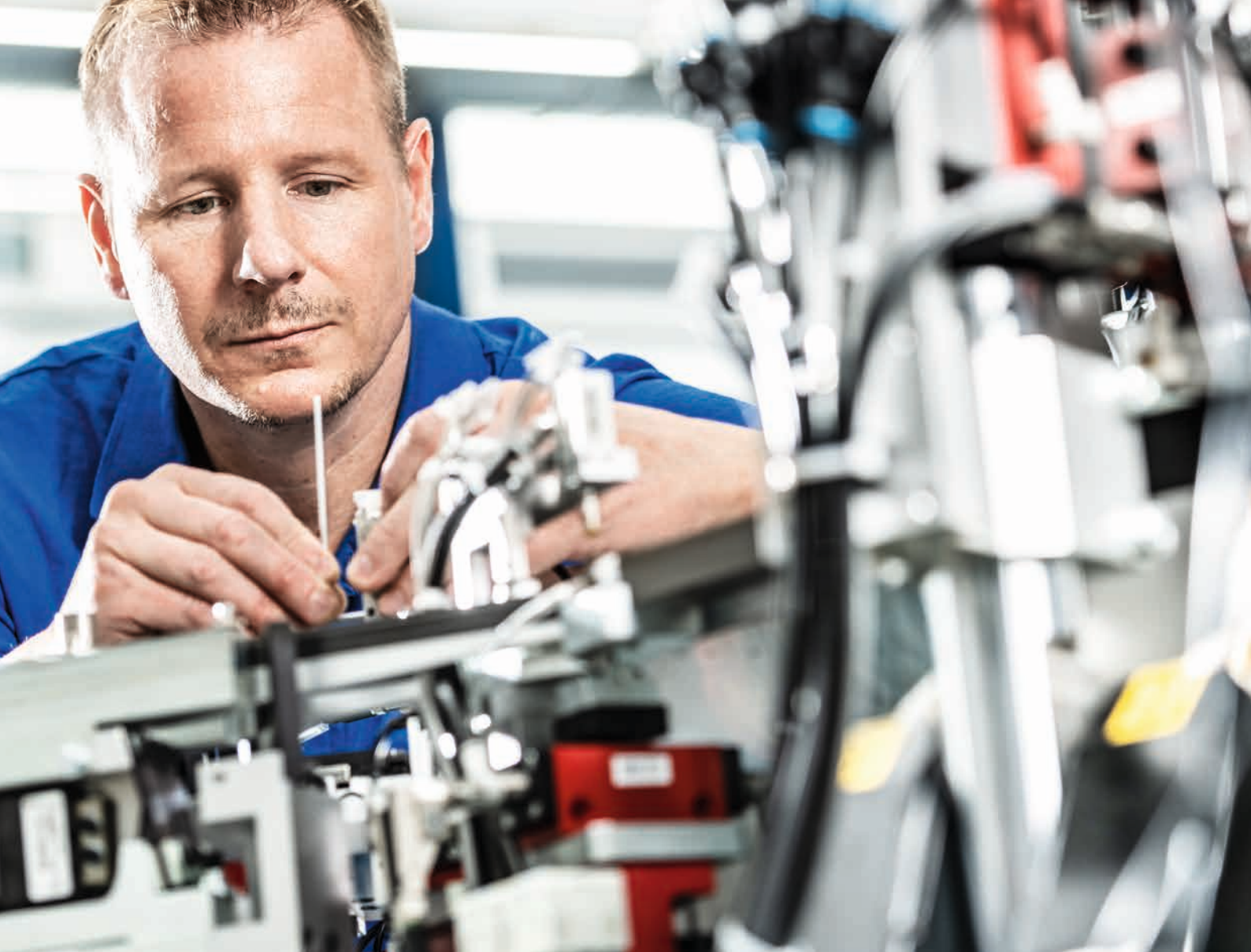
Bruno Ochs | Managing Director | SCHURTER GmbH

Since 1933, SCHURTER has developed into a globally established supplier of components for safe power supply and simple operation of devices. Based on standardized components, which are developed according to internationally valid specifications, individual solutions for our partners are increasingly in the foreground.

[schurter.com/solutions](https://www.schurter.com/solutions)

Solutions





From Idea to Production

SCHURTER offers complete solutions from the idea to the delivery of ready-to-install systems. Countless engineers worldwide work daily on the development of products and manufacturing systems. Cross-training and know-how across the entire range of industrial applications characterize SCHURTER. These include injection molding, metal processing, electroplating, assembly using automated robotic systems, processing touch panels in clean rooms, manufacturing housing systems, assembling printed circuit boards and developing and producing EMC products.

Development

SCHURTER develops individual solutions together and for customers. Mature technologies are used to achieve the specific customer needs beyond the applicable standard requirements. The customer-specific agreed production monitoring processes, also lead to customer-specific production.

Testing and Measuring

In order to maintain compliant with the standard requirements, various tests are carried out on developed components up to the accreditation of the tests according to UL and VDE. SCHURTER has an extremely versatile competence for testing components. Especially the safety development in co-operation with ESA. This shows how the extensive test requirements can be tested in-house.

Lifecycle

The essential process of controlling and monitoring the product life cycle of components and complete assemblies is lived at SCHURTER. We use state-of-the-art software platforms to actively support our customers from development through industrial production to phase-out and to inform them about critical components.





Automotive

SCHURTER develops the customers individual solutions for applications in automotive engineering. Mature technologies are used to achieve the specific customer requirements beyond the applicable standard requirements.

” Zero error is our goal. We continue to strive to reach this goal, and we’re getting closer every day. Day by day. That’s Automotive! “

Christian Holzgang | CEO | SCHURTER AG

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