Connected by Passion.
Hirschmann Automotive

MOTION AND RELIABILITY: THAT IS OUR DEFINITION OF PROGRESS
We connect – with know-how for the future

We drive progress in the automotive sector on a daily basis. Our specialty: contacting- and connector systems, high-voltage applications, special cable assemblies, plastic overmolding technology, as well as sensor systems and stamping technology. Be it standard parts or individual customer solutions, our objective is to be the leading company in the development and production of innovative products in the automotive industry. And we work toward this each and every day. We check the quality of our products down to the very last detail. Under the most extreme conditions. This is our self-conception.
A competent partner in every regard

We regard it as our duty to constantly develop and to offer the automotive industry and especially our customers cutting-edge technologies. With professional tool and special machine construction, we create the best conditions for the efficient implementation of new products and special parts.
Portfolio

- Contacting- and Connectorsystems
- High-Voltage Applications
- Special Cable Assemblies
- Plastic Overmolding Technology
- Stamping Technology
- Sensors
The requirements of automobile manufacturers for the smallest and technically most demanding electrical connectors have been met with this housing family. As an overmolded and standardized design, these watertight plug connectors are available in a small 2.54 mm pitch in many applications.

**Customer-Specific Solutions**
We think ahead. Our creativity, competence, and flexibility are particularly beneficial to our customers in individual solutions. Our engineers advise, develop, and support the product development process from task definition to customer approval.

**Sensor-Supported Systems**
Wherever linear position, rotary, and rotational speed information is required, it has to be registered contactlessly and visualized reliably. Highly accurate, reproducible, and robust measurements can be technically implemented on the basis of the physical Hall effect. Here, our engineers take the mechanical and the electrical interface into account and develop the sensor into the application environment.

**High-Voltage Applications**
Trends such as the electrification of vehicles and other alternative drive technologies are presenting new challenges for high-voltage applications. In this environment, the technical excellence of the components is just as important as that of affordable, flexible processing technology. In cooperation with well-known OEMs, Hirschmann Automotive has developed pioneering systems. With the HIRSCHMANN PowerStar product portfolio, we cover all applications in the high-voltage vehicle electrical system.

**SealStar 0.63, 1.2, and 2.8**
Lightweight design and efficiency necessitate compact and standardized designs. Designing the SealStar housing family laid the foundation for a miniaturized, robust, and watertight plug connector without forgoing crucial performance features. The pin and socket housings are available with different numbers of poles, single and double rows, and both with and without CPA as well as reduced play.

**SealStar HMK 1.2 and 2.8**
Our patented high-performance engine contact system product family convinces with maximum vibration resistance, temperature resistance, tightness, high normal contact force, and much more. Compatible with 1.2 and 2.8 mm AK interfaces (single row).

**EasyConn 2.8**
This open housing family is available in 2-, 4-, 6-, 10-, and 14-pin female and male versions. It is particularly characterized by its compact design, its varied color and mechanical coding, and its comfortable and simultaneously secure detent function. It is designed according to the VDA AK guidelines.

**Stamping Technology**
We develop and produce precise stamping, stamping-bending, drawing and insert parts as well as construction components for the automotive industry in our own core competence centre for stamping processes. In addition to classic progressive die-cutting, we also cover the field of die-cutting packetizing and our state-of-the-art machinery enables us to manufacture products for electric motors and hybrid technology. With our technical know-how, we offer our customers complete solutions from a single source.

**MicroSealedConnector**
The requirements of automobile manufacturers for the smallest and technically most demanding electrical connectors have been met with this housing family. As an overmolded and standardized design, these watertight plug connectors are available in a small 2.54 mm pitch in many applications.

**EasyConn 2.8**
This open housing family is available in 2-, 4-, 6-, 10-, and 14-pin female and male versions. It is particularly characterized by its compact design, its varied color and mechanical coding, and its comfortable and simultaneously secure detent function. It is designed according to the VDA AK guidelines.

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Quality comes first

The testing and qualification of components is part of our development and system philosophy. That is why Hirschmann products are put through their paces right from the start. The central measuring and testing laboratory is the guarantor for fully tested components, from the design and construction phase through to series production. With vibration tests, metallography, microscopy, X-rays, tightness, infrared thermal analysis or environmental impact analyses, you can be sure that mature and flawless products leave our premises. Laboratory tests complete the extensive and indispensable quality process.
A new level of precision

Hirschmann E-Bike and Pedelec Portfolio

Hirschmann is bringing its core technologies from the industrial and automotive sectors together for the market of electrically powered bicycles. All data interfaces and electrical interfaces are covered with a comprehensive product portfolio for e-bikes and pedelecs. These include batteries, motors, sensors, displays, lighting, and brakes. Bluetooth communication modules are currently particularly popular and can be integrated directly into these interfaces. Our customers have known and appreciated the high quality of our products for years and benefit from the attractive prices that we are able to offer thanks to our optimum resources and decades of experience.
Rotation Direction Sensors

The wear-free, magnetic Hall sensor is used to determine the direction of rotation. Generated by a permanent magnet, the magnetic field is output as a signal according to the direction of rotation. The sensor is available with a connecting cable (200 or 1,000 mm), with or without M8 round collector, and as a 5 V or 36 V variant.

Rotation Angle Sensors

The wear-free, programmable, magnetic Hall sensor is used to measure angles. The magnetic field generated by a permanent magnet is output as a linear output voltage according to the rotation. The sensor is available with a connecting cable (200 or 1,000 mm), with or without M8 round collector, and as a 5 V or 36 V variant.

Position Sensors

The wear-free, programmable, magnetic Hall sensor is used to measure lengths. The magnetic field generated by a permanent magnet is output as a linear output voltage according to the longitudinal movement. The sensor is available with a connecting cable (200 or 1,000 mm), with or without M8 round collector, and as a 5 V or 36 V variant.

Switches

The magnetic cylinder sensor is primarily used to monitor the piston position on cylinders and grippers. The sensor detects the field produced by the magnet incorporated in the piston through the actuator wall. Thanks to contactless position detection, our magnetic cylinder sensors function reliably and without wear. The piston position is reliably detected even at high process speeds.
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While we are an entirely technology-driven company, our true core is people and the passion behind their work. We believe that good employees and a good working atmosphere are the most important success factors of our time. This corporate culture links our sites across the oceans. The facts speak for themselves: a distinctive corporate culture, outstandingly trained and motivated employees, and a strong network that connects us to customers and suppliers.