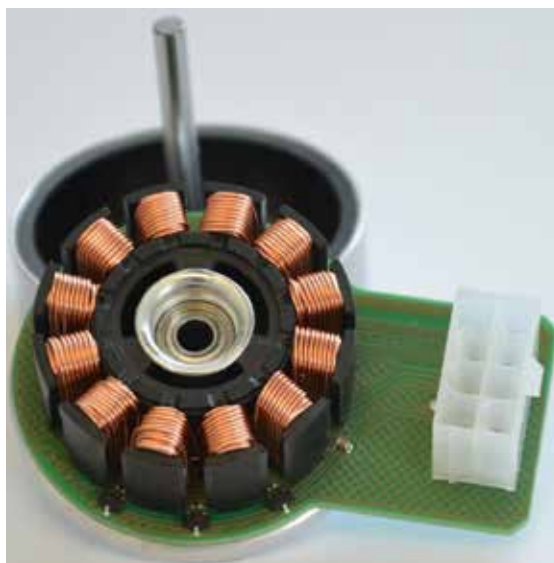


Pole coil winding goods for BLDC motor



The BLDC motor (brushless DC motor) is constructed as a three-phase synchronous machine whose efficiency exceeds 85%. It is characterized by its long life and smooth running.

Applications of BLDC are e.g. drives for fans and household appliances and compressors, model airplanes, electric actuator in the form of servo motors to drive systems for machine tools.

In addition, the BLDC motor meets the ErP guidelines. It is used for establishing requirements for the eco-design of energy related products (ERP).

This is what brings the efficiency of energy of motors, with regard to the environment and soaring energy costs, more and more into focus.

The energy efficiency of engines can be improved by:

- The use of dynamo sheet with improved magnetic properties
- Improving the cooling in the engine
- Reduction of production tolerances
- **Reduction of losses in the pole windings by**
Optimization of winding structure / winding execution

With regard to the last point, the winding task, HAHN can rely on over 50 years of experience in production of coiled products. From the beginning, HAHN relies on high product quality, innovation and progressive, solid expansion of production.

HAHN is distributing more than 100,000 pieces per day worldwide.

Due to our supportive development activity, we have experience in the coil construction, which is of significant importance for new developments. Together with our customers we bring this experience into their new projects in the field of coil design for BLDC motors.

In order to improve and realize the projects of our customers professionally, our R & D department and our technical support team of HAHN are available at any time.