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New Generation of Grounding Contacts provided by Schunk

Schunk Bahn- und Industrietechnik GmbH (SBI) is the market leader for grounding contacts and provides radial and axle limit stop contacts.

On the occasion of Innotrans 2008 the company presents a new product generation with the new development of a sensor-monitored grounding contact.

The technology, for which a patent has been applied and which has been developed together with the partner Lenord + Bauer & Co. GmbH, is based on the principle of magnetic sensor technology.

The sensor has a measuring frequency of 0 to 25 kHz and permits up to 256 impulses per revolution with two sinus signals offset by 90° as well as up to 256,000 impulses per revolution with two rectangular signals offset by 90°.

The sensors fulfil all common railway standards on EMC, shock and vibration resistance, fire protection and dew point resistance and can be used in the temperature range from -40 °C to +120 °C.

The sensor technology permits solutions for traction control, anti-skid protection, motor speed detection, running time detection and train protection.

The sensor-based Schunk grounding contacts have a modular structure and are designed for use in multi-system locomotives.

Schunk has already revolutionised the technology of the grounding contacts and ensured new dimensions in maintenance intervals with the patented carbon-carbon grounding contact.

Schunk grounding contacts are used worldwide by almost all vehicle manufacturers.

Schunk Bahn- und Industrietechnik specialises in individual customer requirements and is able to implement mini-series as well as large-scale productions on a high level of design technology. With a global network of marketing and distribution companies, Schunk has ideal preconditions for fulfilling the international market requirements. Schunk has its own production facilities in Austria, Sweden, Spain, the USA, India, China and Australia.

At Innotrans 2008 the IRIS-certified company presents its current product range consisting of pantographs, third-rail shoe gears, grounding contacts, carbon brushes, collector shoes, brush holders and conductor lines.

SBI is part of Schunk Group, a corporate group operating internationally with a product and service range in the corporate divisions of materials (carbon technology and ceramics), Weiss Technik (environmental simulation and air-conditioning technology), sintered metal technology and sonosystems (ultrasonic welding technology). The company, which was established by Ludwig Schunk and Karl Ebe in Fulda in 1913, generated sales to the amount of EUR 780 million in 2007. The group comprises 60 operative subsidiaries. Schunk is represented in 26 countries and employs a staff of approx. 7,900 worldwide.

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