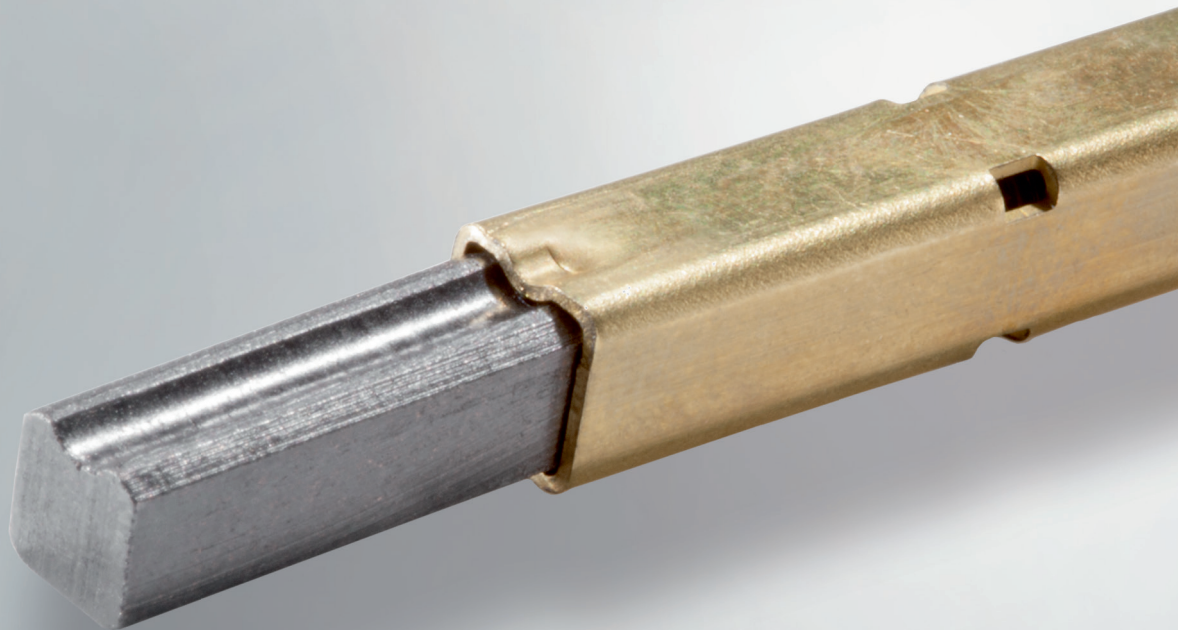




Mobility

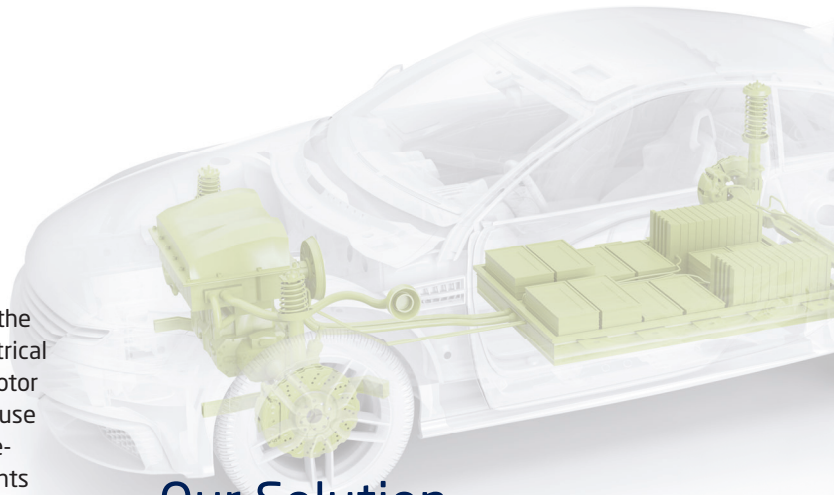
# Shaft Grounding Contacts

Excellent bearing & RFI protection for future e-mobility



## The Challenge

Automotive manufacturers have increasingly encountered the problem of capacitive interference currents ever since electrical mobility started gaining momentum. Originating from the rotor shafts of electric drives, these interference currents can cause severe bearing or gear damage and broadband radio interference. The cause lies in the electric drive and the components associated with it.



## Our Solution

Our new type of shaft grounding provides effective protection against bearing damage with simultaneous damping of interference signals emitted from the shaft up to a frequency of about 50 MHz.



## You benefit from these advantages:

- ▮ Schunk quality for the e-mobility of the future
- ▮ Effective protection against bearing damage and high-frequency interference in electric vehicles
- ▮ Standard grounding contact can be modified according to customer requirements
- ▮ Designed for life - 300.000 km/15 years/8,000 hours
- ▮ Oil-capability under development

## Suppression rate and residual voltage level (green boxes)

