

## AUTOMOTIVE



BAUMANN Contact Elements are used in various e-car and hybrid car applications, such as battery connectors, charging plug devices, high voltage (HV) connections and others. We are convinced that BAUMANN Contact Elements have strong advantages in many other Automotive applications too.

Our Automotive customers choose BAUMANN Contact Elements because of their significant benefits compared with substitutes:

**Low electrical contact resistance:**

The high number of electrical contact points results in a considerably lower electrical contact resistance at the same insertion force.

**Strong tolerance compensation:**

Thanks to their spring characteristics, BAUMANN Contact Elements allow for large fit tolerance and compensate eccentricity and surface irregularities.

**Low space requirement:**

Relative to their current carrying capacity, BAUMANN Contact Elements require little space.

**Good performance in rough environment:**

Because each coil acts as an individual, flexible contact point, BAUMANN Contact Elements are comparably insusceptible to vibrations, shocks, temperature changes, dirt and other rough environments.

**Long life time:**

Low abrasion and mechanical robustness makes BAUMANN Contact Elements suitable for applications requiring a long lifetime and high number of cycles.

BAUMANN complies with ISO/TS 16949 and is familiar with the requirements and standards of the Automotive industry.