



Department: Regional Innovation Centre for Electrical Engineering

Research report no.: 22190 – 004 – 2012

Design and Optimization of Air Coil Magnetic Shields

Type of task: scientific research

Resolver(s): Doc. Ing. Pavel Karban, Ph.D.
Ing. David Pánek, Ph.D.
Ing. Karel Hruška, Ph.D.

Head of task: Doc. Ing. Pavel Karban, Ph.D.

Pages: 28

Date of issue: 20 March 2012

Revision: 1.1

Note: Only for purposes of the submitter – ŠKODA ELECTRIC a.s.

This report has been co-funded by projects CZ.1.05/2.1.00/03.0094
„Regional Innovation Centre for Electrical engineering (RICE)“
and SGS-2012-071.

Annotation

The goal of the project is design and optimization of magnetic shielding of input and transformer boxes. The designed shield should not allow higher magnetic flux density than 1 mT at the level of vehicle's floor.