

CONTROL UNIT FOR HIGHLY DYNAMIC DRIVE CONTROL



DESCRIPTION

SILVER ATENA has developed a control unit for the electric drive of an active chassis system. With this, the vehicle stability system can adapt its damping behavior dynamically with respect to the current road condition thus guaranteeing perfect comfort for passengers.

ADVANTAGES

- Quick realisation by utilising SILVER ATENA's power electronics modular system
- Low technical risk with well-proven modules
- Transparent development process
- Automotive-ready even in the prototype phase

CHARACTERISTICS

- Highly dynamic control of a field controlled PM motor (forward and reverse)
- 12/48 V electrical system
- Active noise cancellation
- Recuperation

TECHNICAL SPECIFICATIONS

- Processor: Freescale MPC5777C "Cobra"
- Communication: CAN, Ethernet (for measurement)
- Power: 5 kW_p
- IP rating: IP6k9k
- Software: AUTOSAR + basic SW

CONTACT

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