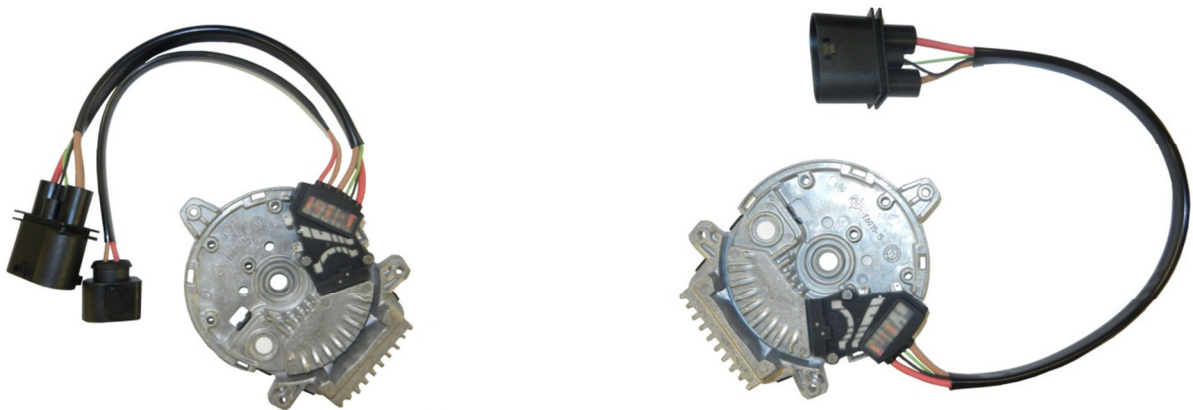




Modular Transverse Matrix (MQB) Platform

1. Application

Control for engine cooling fan



2. Product description

These integrated PWM controllers, especially designed for the modular transverse Matrix (MQB) platform, can be used to control the nominal power of 620W or to trigger DC- fan motors up to the peak-performance up to >900W. One of the benefits of the regulation of power is the defined load of the electrical system. When triggering the fan motor the power is in proportion to the required air current respectively to the turning moment (I~M).

The field of application is the engine fan motor in a passenger car.

3. Technical data

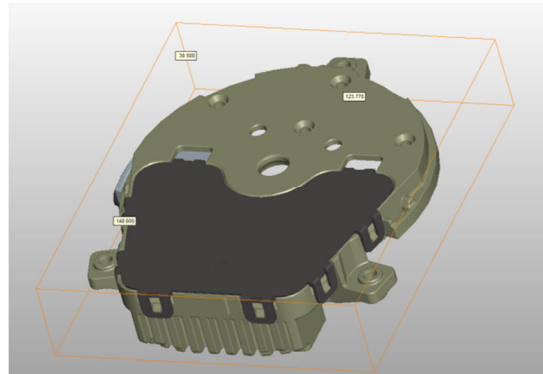
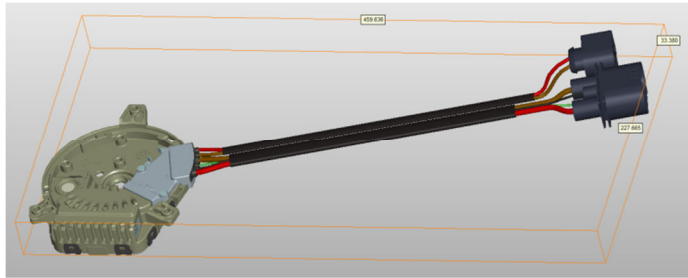
- Current control with a max. output current of 44A
- Switching frequency 18kHz
- PWM interface
- Temperature range -40...+120°C (135°C)
- Reverse polarity protected
- Protection class: Can be adapted to customer requirement (typically IP6K9K)
- Mono and dual

Weight: <380g (incl. mono cable set)

Assembly: Integration within DC-Motor



4. Dimensions



L x W x H (without cable set): 148,6 x 123,8 x 30,6 (mm)

5. Functional description

- Error detection with error message
- Blockage detection
- Short circuit detection (within the SOAR of the MOSFET)
- Semiconductor error
- Commutator short-circuit
- Heavy load detection
- Excess temperature
- Overvoltage
- Undervoltage loading pump
- All VDA required protective functions
- Closeness referring to the VDA (incl. capillary water test)

Our products are subject to a constant development process. We reserve the rights regarding changes in the product line, the manufacture, the performance features and the application areas. Only the specifications / the contract text or the order confirmation are decisive.

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