KESENS

车载冰箱控制器
Vehicle Refrigerator Controller



产品介绍 Product Description

凯晟车载冰箱控制器按平台化设计，集成压缩机驱动，接收整车控制器 LIN 或 CAN 信号，根据接收的指令信号控制冰箱系统内各负载执行器件的工作状态，以实现冰箱箱体储物盒内物品的制冷、制热和保温的功能。

The features a platform-based design and an integrated compressor drive. It receives LIN or CAN signals from the Vehicle Control Unit (VCU) and, based on the received command signals, controls the operating status of various load actuators within the refrigerator system, thereby achieving the cooling, heating, and thermal insulation functions for items stored in the refrigerator compartment.

产品功能 Product Function

- 26针连接器
  26-pin connector
- 4路高边驱动输出
  4 high-side drive outputs
- 1路3相压缩机
  1-channel 3phase compressor
- 8路半桥驱动输出
  8 half-bridge driver outputs.
- 1路CAN通讯接口
  1 CAN channels
- 1路Lin通讯接口
  1 LIN interface
- 防护等级为IP52
  Protection grade: IP52
- 尺寸181×131×44mm
  Size 181×131×44mm
- 工作电压 9~16V
  Operating voltage 9~16V
- 工作温度-40℃~85℃
  Operating temperature -40℃~85℃

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产品优势 Product Advantages

- 低待机功耗
  Multiple installation solution
- 多种信号通讯方式预留
  Customized system solution
- 大电流压缩机负载能力
  Professional engineering service capability
- 桥驱动芯片可定制负载驱动方式
  The bridge driver IC supports configurable load drive modes
- 车规级原件
  Automotive-grade components

产品特性 Product Features

- 32位高性能主控芯片
  32 bits high performance MCU
- 底层软件及软件集成环境满足AUTOSAR4.2以上要求
  Basic software (BSW) and software integration environment comply with AUTOSAR 4.2 or higher
- 多维状态实时监测
  Multiple hardware-level safety protections
- 多重硬件级安全防护
  Multiple hardware-level safety protections
- 内部集成压缩机功能
  Built-in compressor control function
- 支持报告故障诊断和UDS协议
  Supports fault diagnostic reporting and UDS protocol

可根据客户需求定制产品，如有需求请联系我们。
Customized products available upon request. Contact us for details.

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