KESENS

集成化热管理控制单元
Integrated Thermal Management Control Unit



产品介绍 Product Description

凯晟为新能源汽车和传统燃油汽车提供整个热管理系统的开发，并提供热管理控制器、传感器及执行器系统解决方案。凯晟集成化热管理控制器，支持驾驶室温度控制、三电热管理控制、座椅温度控制等热管理功能，满足车辆热管理控制要求。

KESENS Provide the development of the entire thermal management system of new energy and traditional fuel vehicles, and provide thermal management controllers, sensors and actuator system solutions.KESENS integrated thermal management controllers. Support thermal management functions such as cab temperature control, three-electric thermal management control, seat temperature control, etc., to meet the requirements of vehicle thermal management control.

产品功能 Product Function

- 64针连接器，左腔24Pin，右腔40Pin设计
  64 pin connector, left cavity 24Pin, right cavity 40Pin design
- 2路水泵驱动
  2-channel pump drive
- 14路温度模拟信号输入,8路压力模拟信号输入
  14-channel temperature analog signal input,
  8-channel pressure analog signal input
- 2路CAN，1路Lin
  2-channel CAN, 1 -channel Lin
- 3路风门电机
  3-channel damper motor
- 1路电子风扇
  1-channel Electronic Fan
- 3路多通水阀
  3-channel multi-way valve
- 2路鼓风机
  2-channel Blower
- 9路继电器
  9-channel Relays
- 2路SOV阀
  2-channel SOV valve
- 防护等级为IP52
  Protection grade: IP52
- 长X宽X高：169X95X29mm
  Length X width X height：169X95X29mm
- 工作电压：9~16V
  Operating voltage：9~16V
- 工作温度：-40℃~85℃
  Operating temperature：-40℃~85℃
- 静态电流≤500μA
  Dark Current：≤500μA

产品优势 Product Advantages

- 更好的舒适性管理
  Better comfort management

- 最具性价比的控制决策
  The most cost-effective control decision
- 切换过程平稳
  The switching process is smooth
- 避免热失控、安全
  Avoid thermal runaway and be safe
- 全场景下温度可调控
  The temperature can be adjusted in all scenarios

产品特性 Product Features

- 乘客瞬态和稳态舒适性控制
  Passenger transient and steady-state comfort control
- 强制/自动除雾
  Mandatory/automatic defogging
- 空气净化系统
  Air purification system
- 客舱智能化场景和功能升级
  Cabin intelligent scenarios and function upgrades
- 单乘员舱制冷
  Single-occupant cabin refrigeration
- 乘员舱与电池混合制冷
  Hybrid refrigeration of the passenger cabin and battery
- 乘员舱采暖除湿
  Passenger cabin heating and dehumidification
- 动力电池强制冷却
  Forced cooling of the power battery
- 电池电驱低温散热
  Battery-electric drive for low-temperature heat dissipation
- 电池加热
  Battery heating
- 电池模组温度平衡
  Battery module temperature balance

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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