

冷启动热管理控制单元

Cold Start Thermal Control Unit



产品介绍 Product Description

凯晟冷启动热力控制单元CCU适用于商用卡车和轻型柴油车，可满足欧七阶段排放法规的适应性标定。冷启动热管理控制单元（CSTU）是一种主动式热管理技术，可快速加热并保持排放控制系统的温度，CCU作为CSTU系统控制单元，通过对柴油发动机的后处理系统进行主动加热，从而大幅降低冷启动氮氧化物的排放量。

KESENS cold start thermal control unit CCU is suitable for commercial trucks and light diesel vehicles, and can meet the adaptability calibration of Euro VII emission regulations. Cold Start Thermal Control Unit (CSTU) is an active thermal management technology that can quickly heat and maintain the temperature of the emission control system. As a CSTU system control unit, CCU actively heats the after treatment system of diesel engines, thereby significantly reducing the emissions of nitrogen oxides during cold start

产品功能 Product Function

- 62针连接器
62 pin connector
- 3路Peak-hold驱动输出，4路低边驱动输出
3 Peak-hold drive output, 4 low side drive output
- 4路频率信号输入，7路模拟信号输入
4 frequency signal input, 7 analog signal input
- 2路CAN，1路Lin
2 CAN, 1 Lin
- 防护等级为IP6K9K
Protection grade: IP6K9K
- 长 X 宽 X 高：201 X 161 X 40.5 mm
Length X width X height: 201 X 161 X 40.5 mm
- 工作电压：9~32V
Operating voltage: 9~32V
- 工作温度：-40°C~105°C
Operating temperature: -40°C~105°C
- 符合ISO及CISPR规定的电磁兼容规范
Electromagnetic compatibility specifications in accordance with ISO and CISPR regulations

产品优势 Product Advantages

- 多样的安装方案
Multiple installation solution
- 满足欧七排放法规的系统解决方案
System solutions to meet Euro VII emission regulations

- 集成商用车碳氢喷射功能
Integrated hydrocarbon injection function for commercial vehicles
- 客户定制的系统解决方案
Customized system solution
- 强大的工程服务能力
Professional engineering service capability
- 模块化的开发确保交付品质与速度
Modular development to ensure delivery quality and efficiency

产品特性 Product Features

- 32位高性能主控芯片
32 bits high performance MCU
- 基于AUTOSAR 4.0标准开发BSW
Developing BSW based on AUTOSAR 4.0 standard
- 支持宽氧传感器信号采集
Support wide oxygen sensor signal acquisition
- 支持PWM输入信号采集
Support PWM input signal acquisition
- 支持Peak-hold驱动控制，电流波形可根据要求进行标定
Support Peak-hold drive control, and current waveform can be calibrated as required
- 支持控制器内部信号监控，如监控供电电压、系统消耗总电流等
Support Internal signal monitoring of the controller, such as monitoring power supply voltage, total current consumed by the system, etc.
- 支持UDS协议 和J1939协议
Support UDS protocol and J1939 protocol
- 具备OS，可提供1ms、10ms、50ms、100ms、1000ms调度任务
The system has an OS that can provide 1ms, 10ms, 50ms, 100ms, and 1000ms scheduling tasks
- 支持After run功能
Support for After run function
- 满足欧七排放法规要求
Meet Euro VII emission regulation

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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