

车辆电子稳定控制系统 (ESC/EPBi)

Electronic Stability Control/ Integrated Electric Parking Brake



产品介绍 Product Description

凯晟ESC/EPBi产品是通过判断车辆状态，控制各个车轮的驱制动扭矩，实现车辆在驱动、制动和转向过程中的稳定性和安全性。

KESENS ESC/EPBi System dynamically monitors vehicle status and controls the drive torque and brake torque at individual wheels to ensure stability and safety during acceleration, braking, and steering maneuvers.

产品优势 Product Advantages

- 系列化：面向各类车型的ESC/EPBi产品
Modular Design: Comprehensive ESC/EPBi product line tailored for diverse vehicle models.
- 多平台：拥有多种芯片方案的ECU平台，保证供应链安全
Multi-Platform Capability: ECU platforms supporting multiple chipset solutions, ensuring supply chain security.
- 高性能：对标国际先进产品，性能全面优异
High Performance: Benchmarked against leading international products, delivering comprehensively superior performance.
- 自主化：正向自主研发，易于实现增值功能配置升级和智能驾驶的集成
Full In-House Development: Proprietary forward R&D enables seamless upgrades for value-added features and autonomous driving integration.

产品功能 Product Functions

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| • 防抱死功能
ABS (Anti-lock Brake System) | • 不足转向控制功能
USC (Under Steering Stability Control) | • 自动紧急制动功能
AEB (Automatic Emergency Braking) |
| • 电子制动力分配功能
EBD (Electronic Brake Distribution) | • 防侧翻控制功能
ARP (Anti-rollover protection) | • 自适应巡航功能
ACC (Adaptive Cruise Control) |
| • 牵引力控制功能
TCS (Traction Control System) | • 坡起辅助功能
HSA (Hill Start Assist) | • 自动泊车功能
APA (Automatic Parking Assist) |
| • 车辆动态控制功能
VDC (Vehicle dynamic Control) | • 热衰退补偿功能
HFC (Hydraulic Fade Compensation) | • 间接式胎压监测功能
iTMS (Integrated Tire Pressure Monitoring System) |
| • 液压制动辅助功能
HBA (Hydraulic Brake Assist) | • 液压后轮助力功能
HRB (Hydraulic Rear Braking) | |
| • 制动助力辅助功能
HBB (Hydraulic Brake Boost) | • 下坡辅助功能
HDC (Hill descent control) | |
| • 拖滞扭矩控制功能
DTC (Dragging Torque Control) | • 电子驻车制动功能
EPB (Electronic Parking Brake) | |
| • 弯道稳定控制功能
CSC (Cornering Stability Control) | • 自动驻车功能
AVH (Auto Hold) | |