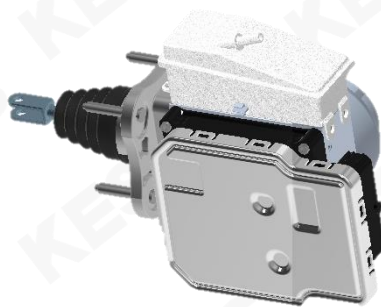


KIBS 线控制动系统

KESENS Intelligent Brake System



产品介绍 Product Description

凯晟集成式线控制动系统KIBS，集成了ESC与制动助力的全部功能，具有体积小、质量轻和能量回收效率高的特点，具有良好的制动性能、和NVH性能；同时可以满足高阶的自动驾驶功能需求。

KESENS Integrated Brake-by-wire System (KIBS) seamlessly combines ESC and brake booster functionalities into a compact, lightweight unit. It delivers enhanced regenerative braking efficiency, superior stopping performance, and optimized NVH characteristics while supporting high-level autonomous driving functions.

产品优势 Product Advantages

- 集成式电子制动系统，可提供基础制动助力与ESC功能
Integrated full ESC and brake booster function
- 强大的建压能力，最快150ms内建立抱死压力
High performance of braking, time to lock in 150ms.
- 解耦系统，可提供足够大的再生制动能量回收
Brake by wire system, support high regeneration braking.
- 重量体积高度集成，轻量化作用明显
Reduced package size and weight
- 踏板模拟器可提供不同脚感的制动
Pedal simulator inside, provide different brake feeling

产品功能 Product Functions

- | | | |
|--|--|---|
| • 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
iTPTS (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) | • 驾驶员制动请求功能
DBR (Driver Brake Request) |
| • 制动助力辅助功能
HBB (Hydraulic Brake Boost) | • 下坡辅助功能
HDC (Hill descent control) | • 冗余制动控制功能
RBU (Redundant Braking Unit) |
| • 拖滞扭矩控制功能
DTC (Dragging Torque Control) | • 电子驻车制动功能
EPB (Electronic Parking Brake) | • 制动能量回收功能
CRBS (Cooperative Regenerative Braking System) |
| • 弯道稳定控制功能
CSC (Cornering Stability Control) | • 自动驻车功能
AVH (Auto Hold) | |