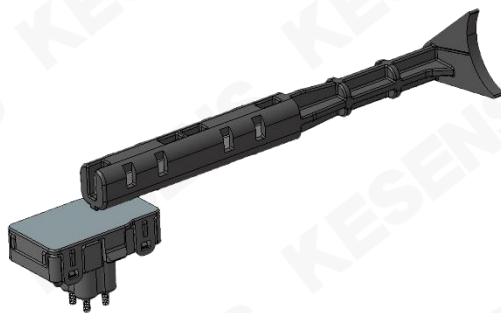


踏板位置传感器

Pedal Travel Position Sensor



产品介绍 Product Description

踏板位置传感器安装在制动踏板系统中用于检测制动踏板位移等物理量，转换为电信号传递给系统控制器。ECU端根据不同输入信号的组合判断当前操作和踏板位置信息。

The pedal travel position sensor is installed in the brake pedal system to detect braking pedal travel position and send electrical signal to the electrical control unit. The ECU determines the current operation and pedal position information based on the combination of different inputs.

产品特征及优势 Feature and Benefits

- 霍尔效应传感技术
Hall effective sensing technology
- 密封结构，非接触式传感器，使用寿命长
Sealed structure, non-contact sensor, long service life
- 工作温度范围广，为-40-125℃。
The working temperature range is - 40-125℃.
- EOL下线在线标定
EOL online calibration
- 信号支持故障诊断
Signal support fault diagnosis
- 差分模拟量、PWM与SENT输出可选
Differential analog, PWM, and SENT outputs are available
- 适用于线控制动系统
Suitable for wire control braking systems

产品应用 Product Application

用于检测制动踏板位置信息。
Used to detect brake pedal position information.

操作 Operation

基本原理 Basic Principle

该传感器内存在霍尔芯片，可根据外部磁场的变化输出对应的模拟电压信号，ECU端根据不同信号的组合判断当前位置信息。

There is a Hall chip in the sensor, which can output the corresponding analog voltage according to the changes of the external magnetic field. The ECU judges the current position information according to the combination of different input signals.

连接选项 Connection Options

根据客户选择定制连接系统。

Customized to customer choice of connection system.

包装选项 Packaging Options

可提供定制包装以满足任何需要，请联系KESENS技术部了解详情。

Custom packaging can be provided to meet any need, please contact KESSENS Engineering for details.

技术参数 Technical Characteristics

参数PARAMETER	最小值MIN.	额定值NOM.	最大值MAX.	单位UNITS	备注COMMENT
工作温度 TEMPERATURE RANGE	-40		125	°C	
供电电压 SUPPLY VOLTAGE	4.5	5	5.5	V	
供电电流 SUPPLY CURRENT		8	12	mA	
测量行程范围 MEASUREMENT TRAVEL RANGE	-1		25	MM	可定制/ Customizable
信号输出类型 OUTPUT SIGNAL TYPE	PWM, SENT			N/A	
测量精度 ACCURACY	-0.2		0.2	%	
信号更新时间 OUTPUT SIGNAL UPDATE TIME			2	ms	
上电时间 POWER ON TIME			100	Ms	
防护等级 PROTECTION GRADE		IP69			

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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