

驻车位置传感器 Parking Position Sensor

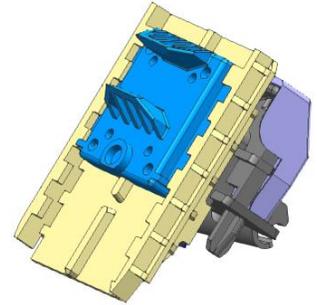
产品介绍 Product Description

该产品是基于霍尔原理而设计的，安装于变速箱中用于检测档位信息的驻车位置传感器。

The product is designed based on Hall principle and is installed in the transmission to detect the parking position sensor of gear information.

产品特征及优势 Feature and benefits

- ◆ 工作温度范围广，为-40-150℃。
The working temperature range is - 40-150 °C.
- ◆ 密封、磁操作的非接触式传感，使用寿命长，可靠性高。
Hermetically sealed, magnetically operated non-contact sensing gives excellent life and reliability.
- ◆ 坚固的结构使该传感器非常适合恶劣环境。
Robust construction makes this sensor well suited to harsh environments.
- ◆ 高精度。
High Accuracy.
- ◆ 根据客户要求，多种量程可定制。
According to customer requirements, a variety of ranges can be customized.



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产品作用 Application

- ◆ 用于检测变速箱档位信息。
Used to detect transmission gear position information.

操作 Operation

◆ 基本原理 Basic principle:

该传感器内存在两块霍尔芯片，可根据外部磁场的变化输出对应的高低电平信号，ECU端根据不同信号的组合判断当前档位信息。

There are two hall chips in the sensor, which can output the corresponding high-level and low-level signals according to the change of external magnetic field. The ECU terminal judges the current gear information according to the combination of different 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.

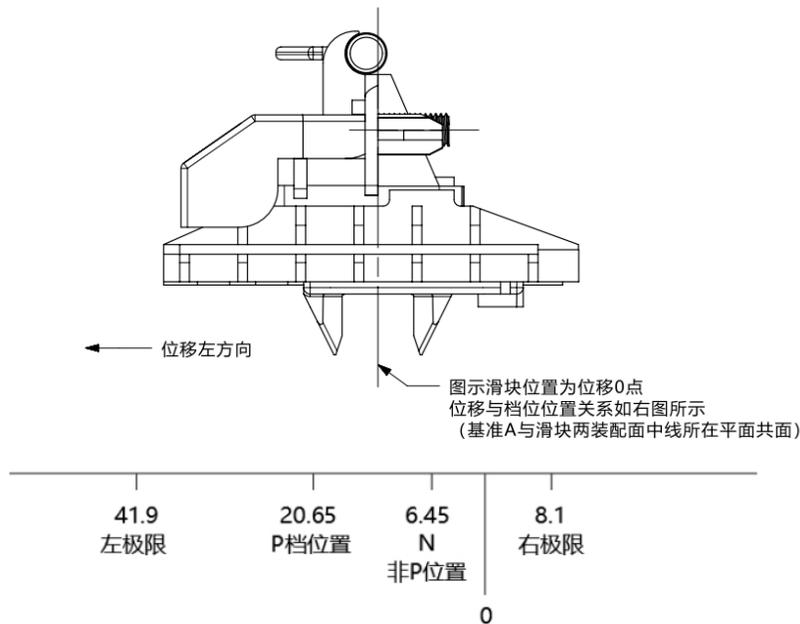
◆ 包装选项 Packaging Options:

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 KESENS Engineering for details.

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技术参数 Functional 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		150	°C	
供电电压 SUPPLY VOLTAGE	8	8.5	9	V	
供电电流 SUPPLY CURRENT			4	mA	
低电平信号 LOW LEVEL SIGNAL	0.33		0.91	V	
高电平信号 HIGH LEVEL SIGNAL	5.4		6.3	V	
输出上升时间 OUTPUT RISE TIME			100	us	
输出下降时间 OUTPUT FALLING TIME			20	us	
上电时间 POWER ON TIME		25		us	



可根据需要定制不同量程及电气和环境规范的产品，详情请联系KESENS研发部。

Products with different ranges and electrical and environmental specifications can be customized according to needs. Please contact KESENS design department for details.