

座椅占位传感器 Seat Occupancy Sensor

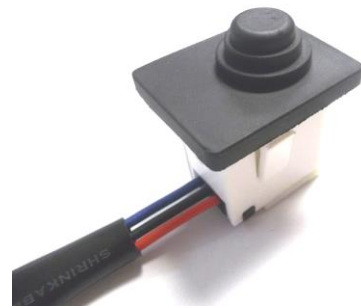
产品介绍 Product Description

座椅占用传感器是一种磁力操作的按钮式传感器，具有简单的压合式夹安装配置，允许乘客安全系统确定座椅中是否存在物体，包括对人的检测。

The Seat Occupancy sensor is a magnetically operated push button sensor with a simple push-fit clip mounting configuration, allowing the passenger safety system to determine the presence of an object in a seat, including the detection of persons.

产品特征及优势 Feature and benefits

- ◆ 磁操作位置传感器 Magnetically operated position sensor.
- ◆ 提供简单的嵌入式和嵌入式安装选项。Simple flush and recessed mounting options available.
- ◆ 常开触点。Normally open contact.
- ◆ 压下柱塞时工作。Operates when plunger is depressed.
- ◆ 电缆长度和夹子的选择。Choice of cable length and clips.
- ◆ 连接器和端子的选择。Choice of connector and terminals.
- ◆ 输出电压电路的选择。Choice of circuitry for output voltages.
- ◆ 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.
- ◆ 无需备用电源。No standby power required.
- ◆ 整体式氯丁橡胶靴提供恶劣环境下的保护。Integral neoprene boot provides protection from severe environments.
- ◆ 密封、磁力操作的触点具有极好的寿命和可靠性。Hermetically sealed, magnetically operated contacts give excellent life and reliability.
- ◆ 可直接连接到发声器或LED指示灯。Can be connected directly to sounder or LED indicator.



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产品作用 Application

- ◆ 座位占用率。Seat Occupancy.
- ◆ 位置和限位传感。Position and limit sensing.

操作 Operation

◆ 基本原理Basic principle:

传感器处于常开位置。当压下柱塞时，磁路将完成，激活簧片开关闭合其触点，向客户电气接口发送电压输出。

The sensor is in a normally open position. When the plunger is depressed the magnetic circuit will be complete, activating the Reed Switch to close its contacts sending a voltage output to the customer electrical interface.

◆ 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.

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◆ 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.

技术参数 Functional Characteristics

参数 Parameter			
类型 Type			
簧片开关 Reed Switch			
接触 Contact		常开 Normally Open	
电气特性 Electrical			
电压 Voltage	Switching	Max.	200V _{dc} / 140V _{ac} RMS
	Breakdown	Min.	250 V _{dc}
当前 Current	Switching	Max.	0.5A _{dc} / 0.35A _{ac} RMS
	Carry	Max.	1.0A _{dc} / 0.35A _{ac} RMS
评级 Rating	Power	Max.	10W
电阻 Resistance	Contact, Initial	Max.	0.12 Ω
	Insulation	Max.	10 ¹² Ω
电容 Capacitance	Contact	Typ.	0.2pF
环境/机械 Environmental/Mechanical			
温度 Temperature	Operating	Celsius	-40° to +125°
	Storage	Celsius	-65° to 125°
冲击 Shock	11ms ½ Sine	Max.	100g
振动 Vibration	50 – 2000Hz	Max.	30g

可根据需要定制电气和环境规范，详情请联系KESENS研发部。

Custom electrical and environmental specifications can be designed to meet any need, please contact KESENS design department for details.