

座椅占用簧片传感器 Seat Occupancy Reed 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。

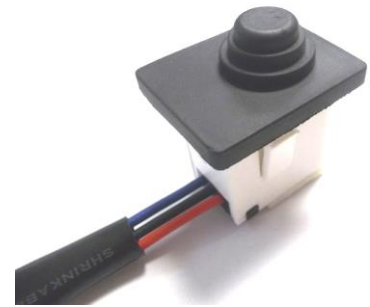
The Seat Occupancy sensor is a magnetically operated push button sensor with a simple push-fit clip mounting configuration, allowing the passenger safety system to determine the presence of an object in a seat, including the detection of persons.

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

产品作用 Application

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



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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

◆ 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			
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.