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压电开关 piezoelectric switches 压电陶瓷开关 选型资料 PDF 说明书

ROSSLARE 进口压电开关 PX-13 直径 22MM 面板安装防水按钮开关
由 AL6061 铝合金制作, 有 7 种颜色.

Piezo-electric switches 无火花, 无磁, 防腐, 可用于室内, 室外。

采用先进的压电技术, 无机械动作。

寿命达 2 千万次。

保护等级: IP-68 进口按钮开关

- . 安装使用简单
 - . 宽电压范围 5V 到 12V DC
 - . 压电技术使得保护等级达到 IP68
 - . 无需外接电源, 可用于干接触输入
 - . 美观: 7 种颜色 - 黑色, 自然色(Mat), 金色 (金黄色), 绿色, 红色, 蓝色, 银色 (银白色)
 - . 输入电流 < 1A
 - . 接触电阻 <100 ohm
 - . 导线 2 x 24 AWG 280mm (11.02 in) wires
 - . 2 线接口,
 - . 按键寿命达一百万次以上
 - . 脉冲时间 >50ms
 - 环境参数:
 - . 工作温度 -40° C 到 70° C (-40° F 到 158° F)
 - . 储存温度 -60° C 到 80° C (-76° F 到 176° F)
 - . 工作湿度 0% 至 99% 湿 - 满足 IP68 (防水) 要求
 - . 可以室内使用, 也适用于室外使用
 - 外形参数:
 - . 尺寸 高: 19.5 mm (0.767 in) 直径: 29.5 mm (1.16 in)
 - . 标准螺纹 22 mm (0.86 in) M22
 - . 重量 22 g (0.0484 lbs)
- 产品质保: 5 年

罗仕兰安全产品, 三类主要产品: 入口控制, 侵入探测 和 安保巡更,

PX-13

Rugged Piezoelectric Switches



ROSSLARE'S PX-13 ARE GENERAL PURPOSE HIGH PERFORMANCE 22MM PANEL-MOUNTED NORMALLY OPEN (N.O) PIEZOELECTRIC SWITCHES SUITED FOR LONG-LIFE AND RUGGED USE APPLICATIONS.

MADE FROM AL6061 ALUMINUM ALLOY MATERIAL WITH TYPE II ANODIZATION, THE UNITS ARE AVAILABLE IN 7 COLORS. THE PX-13 REQUIRES NO EXTERNAL POWER SOURCE TO OPERATE; IT IS ANTI-VANDAL, WATER AND WEATHER RESISTANT AND CAN BE OPERATED WITH FINGERS, GLOVES AND THROUGH ELASTOMERIC OVERLAYS.

GENERAL DESCRIPTION

Rosslare's PX-13 is heavy duty, non-sparking, nonmagnetic, corrosion resistant, illuminated, anti-vandal, and is designed for both indoor and outdoor use.

The switch features solid state Piezoelectric Switch Technology generating a dry contact N.O. pulse simply by the touch of a finger, with no physical movement or moving parts.

The PX-13 features virtually unlimited lifespan of over 20 Million uses, which is the ideal benefit of piezoelectric technology, and tested to work in harsh conditions of -40°C to +70°C.

PX-13 meets IP-68 ingress protection and is resilient to submerging in water, dirt and dust applications, making it suitable for both indoor and outdoor conditions.

MAIN FEATURES

- Easy to install and use
- Supports a wide range of switch voltages from 5V to 12V DC
- Piezoelectric technology can sense actuation within a solid metal enclosure,

makes the devices rugged Waterproof, Meets IP-68

- Fully potted design prevents penetration of dirt, dust and water
- Require no operating power, capable of actuating a dry contact input
- Available in a range of seven attractive anodized Aluminum colors – Black , Natural (Mat) , Gold, Green, Red, Blue, and Silver

PROFESSIONAL GRADE FEATURES

- SMT designed electronics for higher quality, superior performance, and reduced cost
- Compatible with Rosslare's Access Controllers as a REX or a system input (Alarm or Event)
- No polarity considerations for the Switch
- Meets RoHS Requirements for non-corrosive materials

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

| | |
|----------------------|---|
| ■ Voltage | 5VDC to 12VDC (Max) |
| ■ Input Current | < 1A |
| ■ Contact Resistance | <100 ohm |
| ■ Wire Leads | 2 x 24 AWG 280mm (11.02 in) wires |
| ■ 2-Wire Interface | No polarity wires for +Vin or Ground of switched device |
| ■ Button life | Over one million cycles |
| ■ Impulse Time | >50ms (on Actuation) |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|---|
| ■ Operating Temperature | -40°C to 70°C (-40°F to 158°F) |
| ■ Storage Temperature | -60°C to 80°C (-76°F to 176°F) |
| ■ Operating Humidity | 0% to 99% Wet - Meets IP68 (Waterproof) |
| ■ Operating Environment | Indoor and Outdoor |

PHYSICAL SPECIFICATIONS

| | |
|-------------------|--|
| ■ Dimensions | Height: 19.5 mm (0.767 in) Diameter: 29.5 mm (1.16 in) |
| ■ Standard Thread | 22 mm (0.86 in) |
| ■ Weight | 22 g (0.0484 lbs) |

SYSTEM COMPONENTS

The Piezoelectric switches are compatible with Rosslare's controllers (AC-225, AC-425, AC-115, etc.), security systems and many third party systems.

PRODUCT WARRANTY

5-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd. manufactures high-quality security products since 1980. The company's three main lines: Access Control, Intrusion Detection and Guard Patrol, together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).