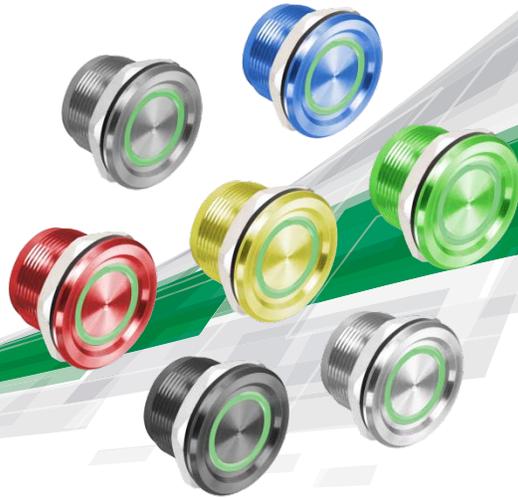


PX-33

Rugged Piezoelectric Switches Bi-Colored LED Ring Illumination



ROSSLARE'S PX-33 SERIES ARE GENERAL PURPOSE HIGH PERFORMANCE 22MM PANEL-MOUNTED, NORMALLY OPEN (N.O.) PIEZOELECTRIC SWITCHES SUITED FOR LONG-LIFE AND RUGGED USE APPLICATIONS. MADE FROM ALUMINUM ALLOY (AL6061) WITH TYPE II ANODIZE AND AVAILABLE IN 7 COLORS. THE PX-33 IS ANTI-VANDAL, WATER AND WEATHER RESISTANT AND CAN BE OPERATED WITH FINGERS, GLOVES AND THROUGH ELASTOMERIC OVERLAYS. PX-33 SERIES HAVE BI-COLORED LED RING WITH 2 EXTERNAL CONTROL WIRES PROVIDING USER FEEDBACK FOR VARIOUS APPLICATIONS, SUCH AS DOOR EXIT, ELEVATOR PANELS AND INDUSTRIAL EQUIPMENT CONTROL.

GENERAL DESCRIPTION

Rosslare's PX-33 is a heavy duty, non-sparking, nonmagnetic, corrosion resistant, illuminated, anti-vandal, 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-33 series features virtually unlimited lifespan of over 20 Million presses, which is the ideal benefit of piezoelectric technology, and tested to work in harsh conditions of -40°F to 158°F. PX-33 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
- Light indicator switch colors between red and green when the button is pressed
- Wide range of input voltage from 5V to 12 VDC

- Piezoelectric technology can sense actuation within a solid metal enclosure
- Low temperature operation down to -40°F
- Meets IP68, fully potted design resists penetration of dirt and dust and water
- Available in a range of seven attractive anodized Aluminum colors – Black , Natural (Mat) , Gold, Green, Red, Blue, White (silver)

PROFFESIONAL 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 Switch wiring

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Voltage	5 VDC to 12 VDC (Max)
■ Input Current	< 1A
■ Contact Resistance	<100 Ohm
■ Wire Leads (Switch Output)	2 x 24 AWG 11.02 in. (280 mm) length (UL 1569) Yellow wires
■ +VDC & Ground	+5 VDC to 12VDC Red and Black wires for LED Power
■ Red LED Operation	Ground Brown wire to activate RED LED
■ Green LED Operation	Ground Green wire to activate GREEN LED
■ Button Life	Up to one billion cycles
■ Impulse Time	>50 ms (on Actuation)

ENVIRONMENTAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

■ Dimensions (L x W x H)	Height: 0.767 in. (19.5 mm), Diameter: 1.16 in. (29.5 mm)
■ Standard Thread	0.86 in. (22 mm)
■ Weight	0.0484 lbs (22 g)

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

Lifetime Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing 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).

Visit our website: www.rosslaresecurity.com

