R-TECH

19mm IP67 Vandal Resistant Push Button Switch Blue LED Ring Latching

DESCRIPTION

A stainless steel bodied tamper-proof switch designed to be resistant to accidental damage and attack by vandals.

The switch features a blue LED illuminating ring that can be controlled by the switch or by external circuitry.

DISTINCTIVE FEATURES

- IP67 Rated
- Max. switching current 5A AC
- Switching voltage 250V AC
- Blue LED ring
- Latching operation
- LED not polarity sensitive
- Diameter 22mm
- Mounting diameter 19mm
- Built-in LED resistor
- Separate LED connections

APPLICATIONS

Perfect for harsh use in potentially hostile settings such as public areas, industrial environments and building management applications. Suitable for installation in kiosks, lifts, pedestrian crossings and ticket machines. Provides a solution for requirements in extreme temperatures, dust, rain, snow, ice, dirt and moisture.

5A AC

250V AC

Ø 19mm

Latching

Illuminated Ring

Blue LED

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Switching AC Current Rating	5A
Switching AC Voltage Rating	250V

Switch Rating

Rated Insulation Voltage Ui			250V			
Thermal Current Ith			5A			
Rated voltage			12V	24V	110V	220V
Rated Operation Current	AC 50/60Hz	Resistive load	—	—	1A	0.5A
		Inductive load	—	—	0.7A	0.5A
	DC	Resistive load	1A	1A	0.2A	—
		Inductive load	0.7A	0.7A	0.1A	—

Contact Resistance	≤ 50mΩ
Insulation Resistance	≥ 1000MΩ
Dielectric Strength	2000V AC
LED Voltage	12V AC/DC *
LED Current	15mA approx.
Withstand Voltage max.	2000V AC 50Hz 60s

*Note: There are protective resistor in the lamp

📋 **GENERAL SPECIFICATION**

Size	Ø 19mm
Type	Vandal resistant push button switch
Button Style	Flat circular
Illumination Style	Ring
LED Colour	Blue
Operation	Latching
Contacts	SPDT
Operating force (max)	3 to 5N
Mechanical Life	1,000,000 Cycles
Electrical Life (@ Rated Load)	50,000 Cycles
LED Life	40,000 Hours
Panel Thickness	1 to 8mm
Panel Cutout	19mm
Torque	0.8Nm

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MATERIALS

Housing	Stainless Steel
Button	Stainless Steel
Base	PBT
Contact	Silver Alloy

ENVIRONMENTAL/OPERATING SPECIFICATION

Operating Temperature	-25°C to +55°C
Operating Humidity	45 to 85% RH(Non condensing)
IP Rating	IP67 *
Soldering	320°C (or 30W soldering iron) no more than 2s
Vibration Resistance	50Hz, amplitude about 1.2mm
Shock Resistance	>10g

* IP67 is for enclosure only

TERMINALS

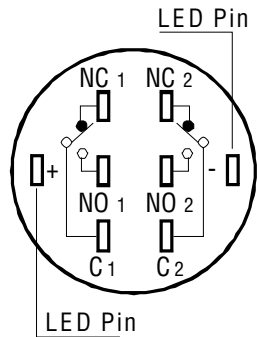| Type	Solder Tags 2.8 x 0.5mm

OPTIONS

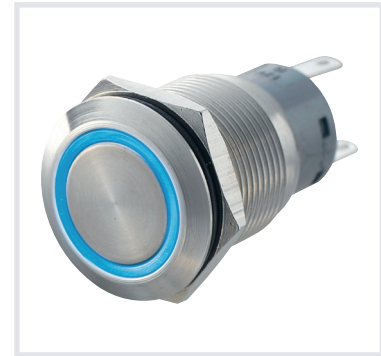| Custom LED voltages	e.g. 6, 12, 24, 110, 220V AC/DC
Illumination Type	e.g. dot, ring, tricolour dot/ring
LED Colours	e,g, Blue, green, red, white, yellow orange
Body Material	Stainless steel, aluminium alloy (black), aluminium alloy (white), nickel-plated brass
Protection	e.g. IP65, IP67

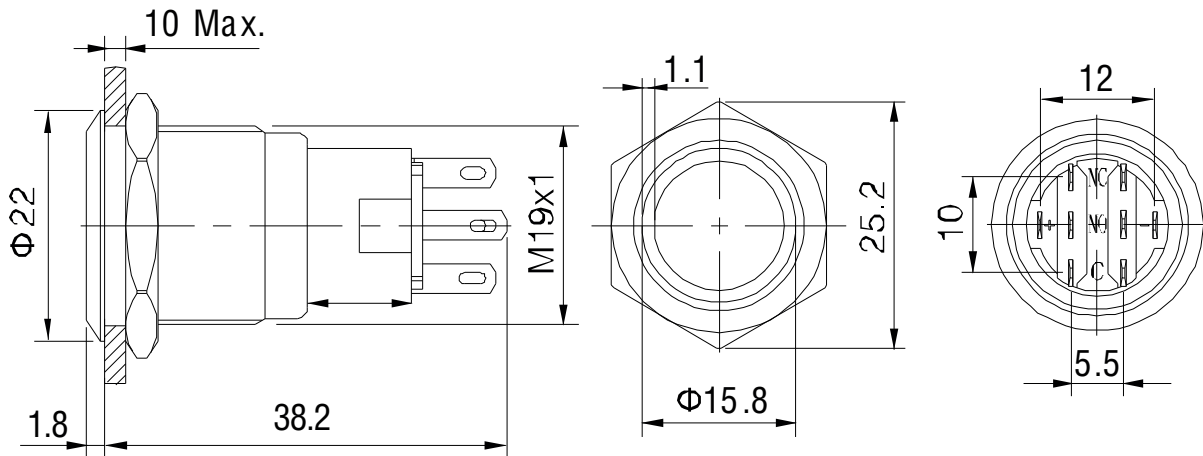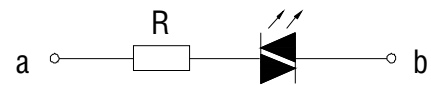| Dimensions	mm
Panel Thickness	1 to 10mm

Terminal Description

Two sets at most
C1NO1NC1 and C2NO2NC2
are one set respectively. C is common used,
NO is normal opened, NC is normal closed;
+- are lamp terminals, thestandard LED
have no difference of anode and cathode;
Lamp and switch are relatively independent
and can use switch or peripheral circuit to
control the lamp state.

LED Pin

NC 1 NC 2

+ -

NO 1 NO 2

C 1 C 2

LED Pin

LED Schematic

R

a b

10 Max.

Φ22

M19x1

1.8

38.2

1.1

25.2

Φ15.8

Top View

12

10

5.5

Terminal
Arrangement

NC
+
NO
C

Part Number	EAN	UNSPSC	Country of origin
52-4587	5053556005994	39122244	China

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Tried & trusted technology