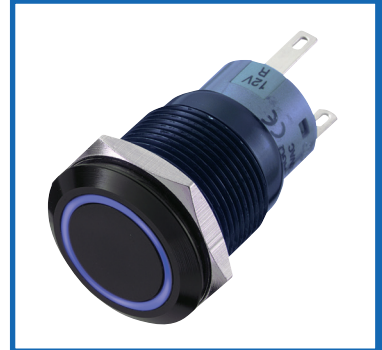


19mm IP67 Vandal Resistant Black Anodised Push Button Switch Blue LED Ring Momentary



DESCRIPTION

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

The switch has a black anodised body and 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
- Momentary, non-latching operation
- LED not polarity sensitive
- SPDT Contacts
- 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

Illuminated
Ring



ELECTRICAL SPECIFICATION

Switching AC Current Rating	5A					
Switching AC Voltage Rating	250V					
Switch Rating						
Rated Insulation Voltage U_i			250V			
Thermal Current I_{th}			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		$\leq 50m\Omega$				
Insulation Resistance		$\geq 1000M\Omega$				
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	Momentary
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



MATERIALS

Housing	Black anodised 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
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OPTIONS

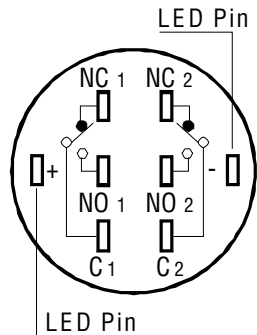
Custom LED voltages	e.g. 6, 12, 24, 110, 220V AC/DC
Illumination Type	e.g. dot, ring, tricolour dot/ring
LED Colours	e.g. Blue, green, red, white, yellow orange
Body Material	Stainless steel, aluminium alloy (black), aluminium alloy (white), nickel-plated brass
Protection	e.g. IP65, IP67



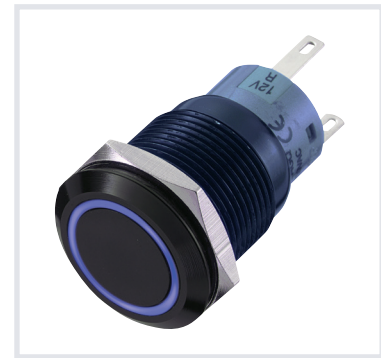
DIMENSIONS/DRAWINGS

Dimensions	mm
Panel Thickness	1 to 10mm

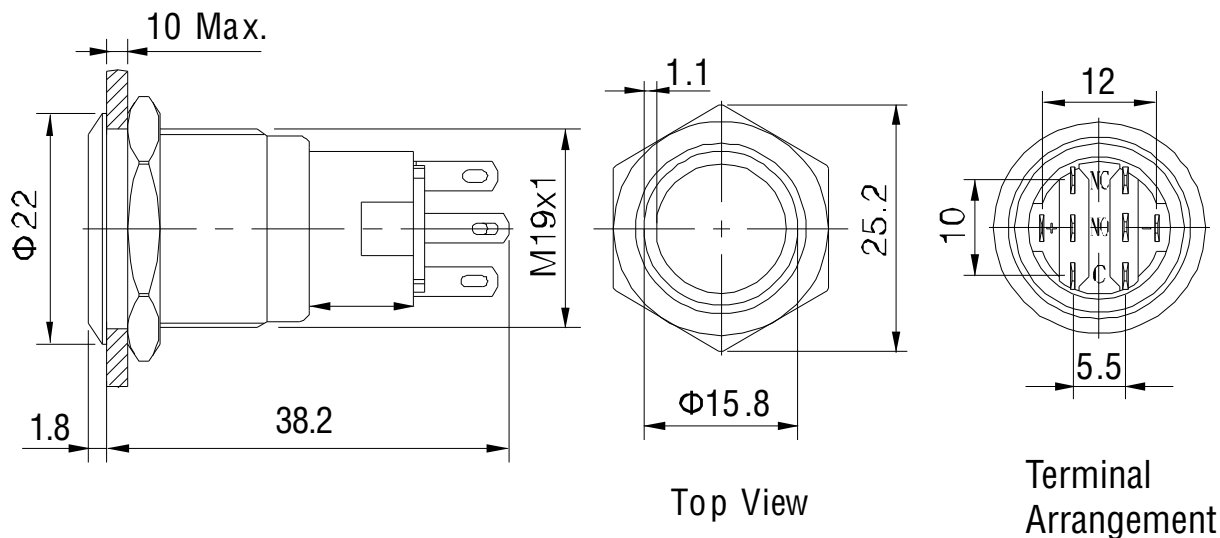
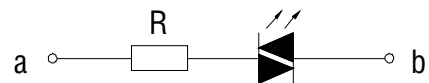
Terminal Description



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, the standard 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 Schematic



Top View

Terminal Arrangement



PART NUMBER TABLE

Part Number	EAN	UNSPSC	Country of origin
52-4571	5053556005833	39122244	China

R-TECH

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