



Shan Pu

Waterproof Switches Series SPK

全能防水，快速安裝
waterproof. Simple. Fast



Application
Public building · Home Security ·
Business building ·
Industrial equipment...etc.

IP67

Feature

- Low cost & Durable
- IP67
- Small size
- High brightness illuminated
- PCB mounting and Panel snap-in
- Multi-color LED available



General Specifications

Switch circuit : SPST-NO
Switch contact rating : 50mA @ 12V DC max
LED rating : Limited forward current (IF) at 20mA max
Dielectric Withstanding Voltage : 250VAC for 1 minute
Contact Resistance : 100m Ohm Max. (initial)
Insulation Resistance : 100M Ohm Min.
Operating Force : 550gf ± 100gf
Total Travel : 1.0mm ± 0.3mm
Mechanical Life : 1,000,000 cycles Min.
Operating Temperature : -10 °C ~ +60 °C

Materials

Cap : Silicone
Base : Polyamide (PA)
Switch Terminal : Bronze with gold plating
Action Dome : SUS with silver plating

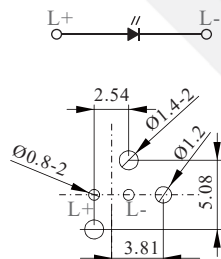
PAT. D155069
PAT. M441921
PAT. ZL 201220235010.X
PAT. ZL 201330190010.8

■ Circuit & PCB Layout

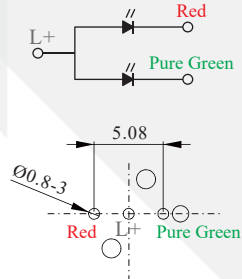
/ Switch



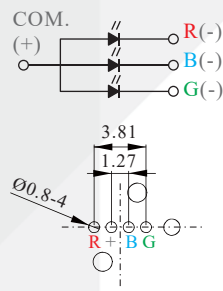
/ Single LED



/ Dual LED



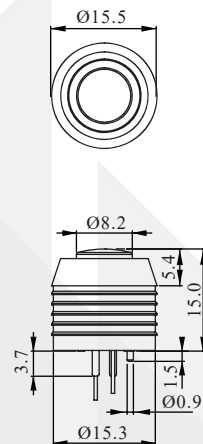
/ RGB LED



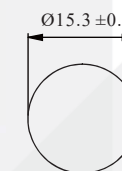
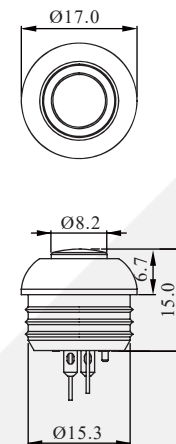
Recommend add resistor to limited each LED forward current at 20mA

Dimension

/ SPKP



/ SPKS



Panel cutting
Thickness:
2.0~5.0mm

How to Order

SPK

Terminal type

P	Straight PC
S	Snap-in

Housing Color

54	Black Housing & White cap
9E	Grey Housing & Beige cap

LED Color

0	Without LED
1	Red
5	Pure Green
D	Red/Pure Green
9	RGB Full color

EXAMPLE:
SPKP554



SPKS554-2

Snap-in / Pure Green LED
Black Housing / White cap /
Panel cutting Ø15.0 ± 0.1
Cable 1007#22 AWG (150mm, Min)



SPKSK54-2

Snap-in / Pure Green & Red LED
Black Housing / White cap /
Panel cutting Ø15.0 ± 0.1
Cable 1007#22 AWG (150mm, Min)