

ShanPu

Pushbutton Switches Series SP86N / SP86NH /SP86L



General Specifications

Circuit Current Rating Voltage Rating Contact Resistance Insulation Resistance Operating Force

Total Travel Mechanical Life

Solder Specifications Operating Temperature Function

Material

Cap Case Fixed Support Terminal Moving Contact

Spring LED

:SPDT

:12mA.

:24 V DC

:50m Ohm Max(initial)

:100M Ohm Min

:170gf±50gf (SP86N / SP86L) 400gf±100gf (SP86NH)

:2.5mm±0.5mm

:1,000,000 Cycles Min. (SP86N / SP86NH) 500,000 Cycles Min. (SP86L)

:260°C for 3 seconds

:-10 °C ~ +60 °C

:Momentary (SP86N / SP86NH)

:Alternate (SP86L)

:Acrylonitrile Butadine Styrene (ABS)

:Polyamide (PA)

:Stainless steel wire

:Phosphor bronze (PBS) with gold plating :Phosphor bronze (PBS) with gold plating

/SP86NH

:Piano wire

:3mm Diameter LED Lamp

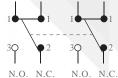
Circuit & PCB Layout



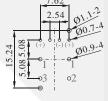
Contact Configuration

N.O.

/SP86N/SP86L

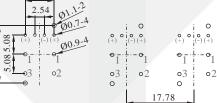


SP86NH



PCB Layout

/SP86N/SP86L



How to order (SP86N)

SP86N—

CAP Styles Small CAP

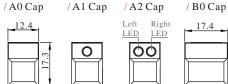
Without LED One-LED Two-LED Large CAP

Without LED One-LED Two-LED

EXAMPLE: SP86N-B0-1-01 SP86N-A2-5-13

Dimension (SP86N)

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/B2 Cap

Left Right



/B1 Cap





CAP Colors Red Yellow

White Black Orange Blue Dark grey

Grey ※ Cap color Black, Grey is standard parts.

LED Colors Without LED

One LED Red Yellow Green Blue

2 LEDs			
Left		Right	
	Red	1	Red
2	Yellow	2	Yellow
3	Green	3	Green
7	Rlue	7	Rlue



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