

ShanPu

Pushbutton Switches Series SP86N / SP86NH /SP86L









General Specifications

Switch circuit Switch contact rating LED 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

:12mA @ 24V DC max

:Limited forward current(IF) at 20mA max

: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 Butadiene Styrene (ABS) :Polyamide (PA)

:Stainless steel wire

:Phosphor bronze (PBS) with gold plating

:Phosphor bronze (PBS) with gold plating

/ SP86NH

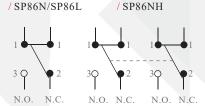
03 02

17.78

:Piano wire

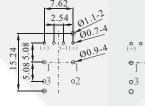
:3mm Diameter LED Lamp

Circuit & PCB Layout



Contact Configuration

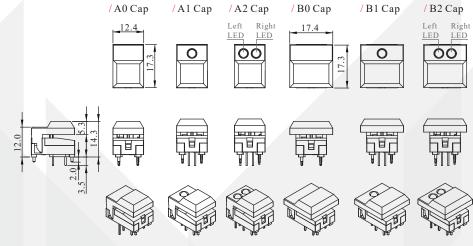
/ SP86N/SP86L





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

Dimension (SP86N)



How to order (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

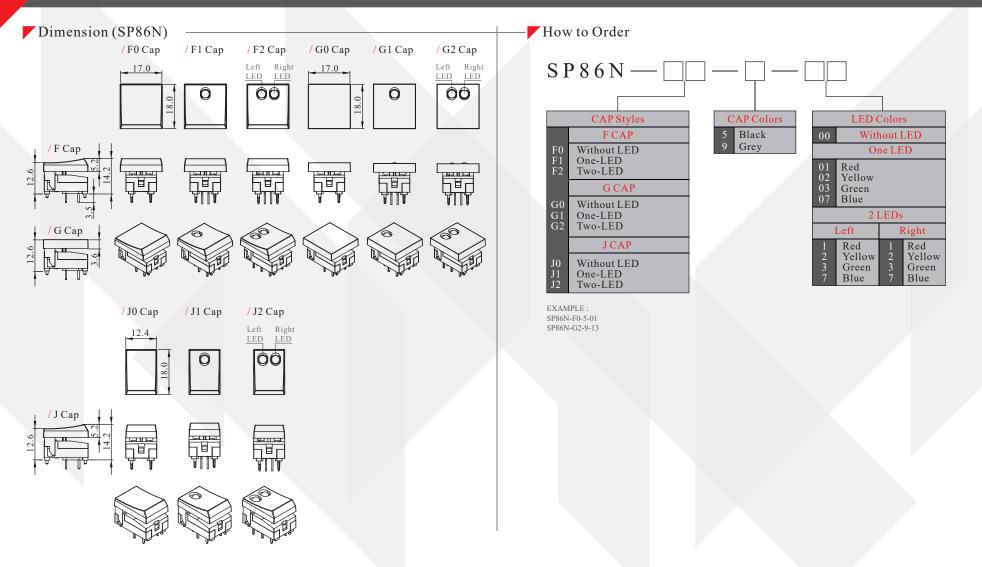
CAP Colors Black Grey

LED Colors Without LED One LED Red Yellow Green Blue 2 LEDs Left Right Red Red Yellow Yellow Green Green Blue Blue



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