



SPECIFICATIONS

Circuit: SPDT

Current rating: 12mA.

Voltage rating: 24 V DC

Contact resistance: 50 m Ohm Max(initial)

Insulation resistance: 100M Ohm Min

Operating force: 170gf ± 50gf

Total travel: 2.5mm ± 0.5mm

Mechanical life: 1,000,000 cycles Min.(SP86N)
500,000 cycles Min.(SP86L)

Solder specifications: 260°C for 3 seconds

Operating temperature: -10°C ~ +60°C

MATERIALS

Cap: Acrylonitrile butadiene styrene(ABS)

Case: Polyamide(PA)

Fixed support: Stainless steel wire

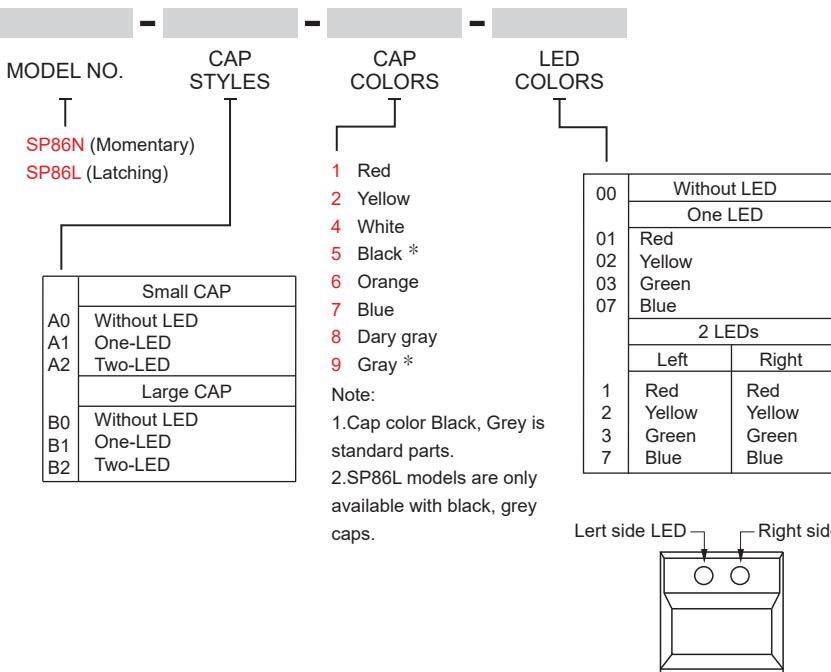
Terminal: Phosphor bronze(PBS) with gold plating

Moving contact: Phosphor bronze(PBS) with gold plating

Spring: Piano wire

LED: 3mm diameter LED lamp

HOW TO ORDER

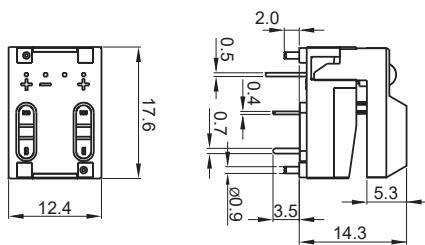


EXAMPLE: SP86N-B0-1-01
SP86L-B2-9-12

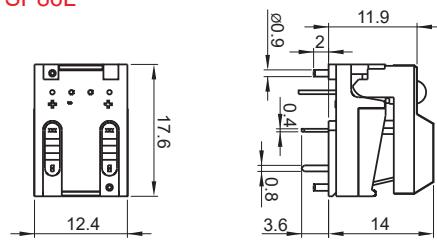


▼ DIMENSION

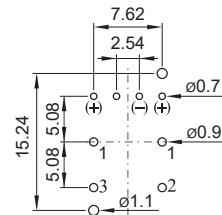
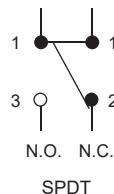
SP86N



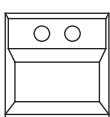
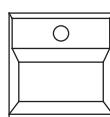
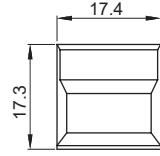
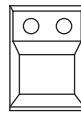
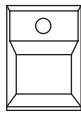
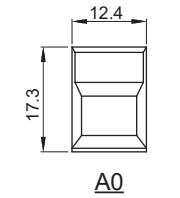
SP86L



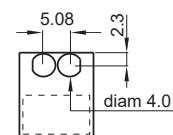
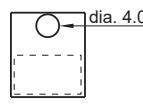
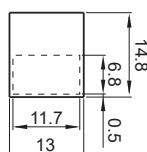
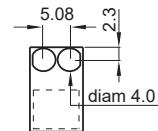
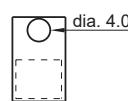
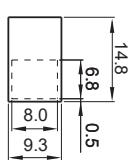
▼ CIRCUIT & PCB LAYOUT



▼ CAP STYLE



Paperboard



Note: wire area

▼ LED CHARACTERISTICS

The electrical specifications shown are determined at a basic temperature of 25 C. If the source voltage exceeds the rated voltage of LED, a ballast resistor must be connected in series with the LED.

Parameter	Symbol(Unit)	Red	Yellow	Green	Blue
Forward Voltage	$V_F(V)$	2.0	2.1	2.2	3.5
Forward Current	$I_F(mA)$	20	20	20	20
Permissible loss	$P_D(mW)$	80	80	80	120
Luminous Intensity	$I_V(mcd)$	60	50	60	600
peak Wave Length	$\lambda_P(nm)$	635	585	568	470
Reverse Voltage	$V_R(V)$			5	
Reverse Current) $V_R=5V$	(μA)			100	
Soldering Temperature	(degree)	260 for 5 seconds			



Attention: LED are electrostatic sensitive devices

