

SPECIFICATIONS:

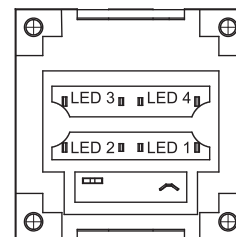
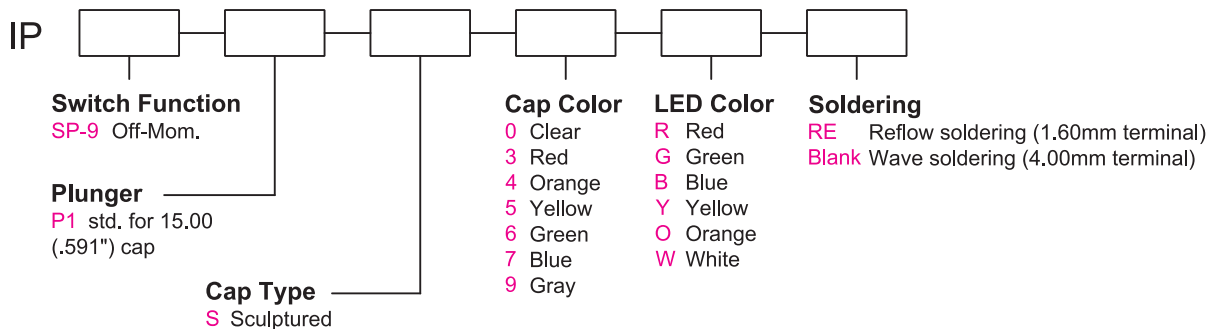
CONTACT RATING: 100mA @ 12VDC (resistive load).
 ELECTRICAL LIFE: 500,000 cycles min.
 CONTACT RESISTANCE: 200m-ohms max. initial.
 INSULATION RESISTANCE: 100M-ohms @ 250VDC min.
 DIELECTRIC STRENGTH: 1,500V RMS @ sea level for 1 minute.
 ACTUATION FORCE: 1.9N max.
 TRAVEL: Pretravel 2.90mm (.114"), Overtravel 1.40mm (.055"),
 Total Travel 4.30mm (.169").
 SOLDERING TEMPERATURE: 260°C for 3 seconds max.
 OPERATING TEMPERATURE: -25°C to +50°C.

MATERIALS:

LOWER HOUSING: Nylon 66 + 30% fibre glass.
 TERMINAL: Phosphor bronze, tin over nickel plated.
 MOVABLE CONTACT: Brass, gold over nickel plated.
 LED COVER: Nylon 66.
 PLUNGER: Nylon 66.
 UPPER HOUSING: Nylon 66.
 DIFFUSER: PC.
 SCULPTURED CAP: PC.

If your preferred product configuration is not shown, please contact our sales representative for custom design.

HOW TO ORDER SYSTEM



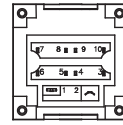
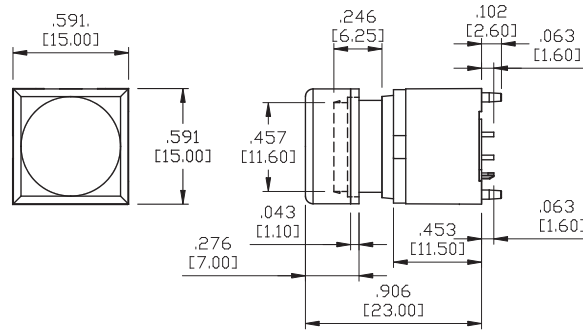
BOTTOM VIEW

Note:
 When Bi-color (ex. Red and Green) is requested, the LED placement sequence will be LED 1 and LED 3. The ordering part number will be:

IP-SP9-P1-S0-R0G0

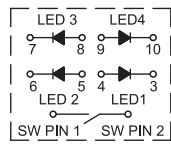
Specifications and Dimensions subject to change

NON-TACTILE

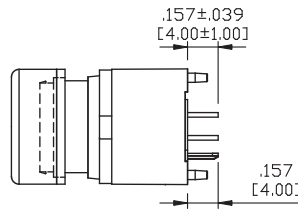


P/N: IP-SP9-P1-S0-xxxx-RE

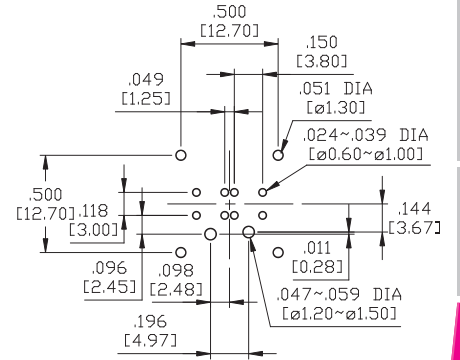
| Model No. | Type | |
|-----------|------|-----|
| SP-9 | OFF | MOM |



Schematic (BOTTOM VIEW)



P/N: IP-SP9-P1-S0-xxxx

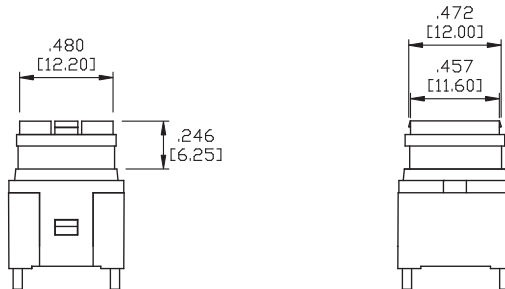


P.C.B Mounting

PLUNGER OPTIONS

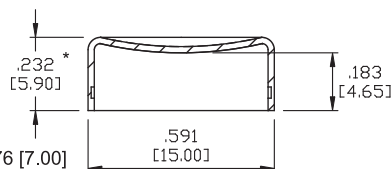
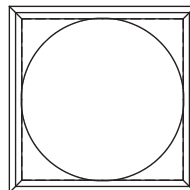
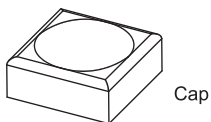
P1

* Plunger Color: White.



PLUNGER CAPS

S Sculptured Cap



| CAP COLORS | |
|------------|--------------|
| 0 | Clear (Std.) |
| 1 | White |
| 2 | Black |
| 3 | Red |
| 4 | Orange |
| 5 | Yellow |
| 6 | Green |
| 7 | Blue |
| 8 | Brown |
| 9 | Gray |

LED SPECIFICATIONS



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

| | Red | Green | Blue | Yellow | Orange | White |
|---|----------------|-------|------|--------|--------|-------|
| Minimum Luminous (mcd) | 120 | 380 | 50 | 36 | 70 | 480 |
| Standard Luminous (mcd) | 250 | 470 | 130 | 80 | 180 | 800 |
| Forward Peak Current (mA) | 185 | 150 | 150 | 150 | 175 | 150 |
| Power Dissipation (mW) | 75 | 102.5 | 120 | 75 | 75 | 120 |
| Forward Voltage (V), Typ. at $I_f = 20\text{mA}$ | 1.95 | 3.10 | 3.30 | 2.10 | 2.00 | 3.30 |
| Forward Voltage (V), Max. at $I_f = 20\text{mA}$ | 2.50 | 4.10 | 4.00 | 2.50 | 2.50 | 4.00 |
| Reverse Voltage (V) | 5 | 5 | 5 | 5 | 5 | 5 |
| Dominant Wavelength (nm) | 630 | 525 | 470 | 570 | 590 | N/A |
| Spread Angle (degree) | 140 | 120 | 120 | 120 | 120 | 120 |
| Ambient Temperature Range | -40°C to +85°C | | | | | |
| Moisture Sensitivity Level | Level 4 | | | | | |

The specifications shown are determined at a room temperature of 25°C. LED is not available separately, it is isolated and requires an external power source. The IP pushbutton switch can be configured up to four LEDs for multi-illumination.

LEGENDS

Legend is not provided as a standard option, please consult factory for a customized legend. Film insert material is Clear Polyester with thickness of 0.1mm max.