Metal power switch button

Parameter description 30B
Series 30B

Parameter Description

Electrical parameters

- **Power level (silvering):** 5A@125V AC or 3A@250V AC or 3A@30V DC
- **LED Voltage:** 3~220V
- **LED Current:** 1.5mA~20mA
- **LED Light Color:** red, yellow, blue, green, white, Two-color, three-color (Customizable multi-color)

Other Ratings

- **Contact Resistance:** The contact is made of silver alloy, and the maximum resistance is 50mΩ; the maximum value of gold plating of contact material is 30mΩ
- **Insulation Resistance:** 200 megohms minimum @ 500V DC
- **Dielectric Strength:** 1,900V AC minimum between contacts for 1 minute minimum
- **Mechanical Life:** Self reset type / more than 500,000 times
- **Electrical Life:** Self locking type / more than 250,000 times
- **Nominal Operating Force:** Approx.: 1.5N
- **Contact Type:** 1NO1NC
- **Travel:** Pretravel .059”(1.5mm); Overtravel .059”(1.5mm); Total Travel .118”(3.0mm)

Materials & Finishes

- **Button:** SUS304 Stainless Steel
- **Shell:** SUS304 Stainless Steel
- **Base:** Pa66
- **Movable Contactor:** Silver-plated brass
- **Static Contact Pin:** Silver-plated brass
- **Active Rod:** PA66
- **Compression Spring:** SUS304
- **Wire:** 20AWG

Environmental Data

- **Operating Temperature Range:** -30°C through +85°C
- **Humidity:** 90~95% humidity for 240 hours @ 40°C
- **Vibration:** 10~55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning in 1 minute; 3 right angled directions for 2 hours
- **Sealing:** Ip66

Installation

- **Installation Aperture:** 30mm
- **Soldering Time & Temperature:** The welding time is 3 seconds and the welding temperature is not higher than 280°C
30B Standard model illustration example
Switch configuration and accessories

PA66 flame retardant material
20AWG wire
Total line length 150mm
Stripping length 3~5mm

7mm stripped wire end
Copper wire is tinned
Harness specification 26AWG
Line length 2 meters
64MM specification-switch
Insulation sheath
Series 30B

Size and material application

30B-G1 30B-P1

30B-P1 -EC

30B-P1-C 30B-G1-C

30B-P1-E 30B-G1-E