Metal power switch button
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 50m Ω.
  - The maximum value of gold plating of contact material is 30m Ω.
- **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
  - Self locking type / more than 250,000 times
- **Electrical Life:** 250,000 operations minimum
- **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:** 28mm
- **Soldering Time & Temperature:** The welding time is 3 seconds and the welding temperature is not higher than 280 °C
Series 28B

Standard model illustration example
Switch configuration and accessories

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

 HARNESS SPECIFICATION

- **26AWG**
- **Line length 2 meters**
- **7mm stripped wire end**
- **Copper wire is tinned**

**Cover Structure Size**

- **64MM specification-switch**
Series 28B

Size and material application

28B-G1
28B-P1

28B-P1 -EC

28B-P1-C
28B-G1-C

28B-P1-E
28B-G1-E

A  Cover  |  B  General Specifications  |  C  Feature Description  |  D  Structure Size