Parameter description 25B

Metal power switch button
### Series 25B

### 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 500000 times
  Self locking type / more than 250000 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:** 25mm
- **Soldering Time & Temperature:** The welding time is 3 seconds and the welding temperature is not higher than 280°C
25B

Standard model illustration example
Switch configuration and accessories

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

### 25B-G1
**25B-P1**

### 25B-P1 - EC

### 25B-P1-C
**25B-G1-C**

### 25B-P1-E
**25B-G1-E**

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