Metal power switch button

Parameter description 19A
## Series 19A

### Parameter Description

#### Electrical parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>power level (silvering)</td>
<td>5A@125V AC or 3A@250V AC or 3A@30V DC</td>
</tr>
<tr>
<td>LED voltage</td>
<td>3~220V</td>
</tr>
<tr>
<td>LED current</td>
<td>1.5mA~20mA</td>
</tr>
<tr>
<td>LED light color</td>
<td>red, yellow, blue, green, white, Two-color, three-color</td>
</tr>
</tbody>
</table>

#### 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 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: 0.059” (1.5mm); Overtravel: 0.059” (1.5mm); Total Travel: 0.118” (3.0mm)

#### Materials & Finishes

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Button</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>shell</td>
<td>SUS304 Stainless Steel</td>
</tr>
<tr>
<td>Base</td>
<td>PA66</td>
</tr>
<tr>
<td>Movable Contactor</td>
<td>Silver-plated brass</td>
</tr>
<tr>
<td>Static contact pin</td>
<td>Silver-plated brass</td>
</tr>
<tr>
<td>Active rod</td>
<td>PA66</td>
</tr>
<tr>
<td>Compression spring</td>
<td>SUS304</td>
</tr>
<tr>
<td>Wire</td>
<td>20AWG</td>
</tr>
</tbody>
</table>

#### 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:** 19mm
- **Soldering Time & Temperature:**
  - The welding time is 3 seconds and the welding temperature is not higher than 280°C
PA66 flame retardant material

20AWG wire

Total line length 150mm

Stripping length 3~5mm