SPECIFICATION
- Electrical Rating: 9A 125V AC 6A 250V AC (UL)
- 4(1)A 250V AC (VDE)
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles
- Contact resistance: <20mΩ
- Insulation resistance: >1000MΩ
- High voltage resistance: >1500VAC 1 min.
- Ambient temperature: Terminal side -20 to +85℃
  Actuating side -20 to +55℃
- Atmospheric humidity: Max.85%
- Actuating force: 4 to 8N (depends on different switch function)
- Flammability: UL94V-2
- Storage temperature: -30 to +80℃
- Max Temperature rise at the terminal: Max 30℃ (UL1054)
- Solder ability of terminal: Max 350℃ 3s

MATERIALS
- Housing: PA 66
- Rocker: PC & PA66
- Contact: Silver alloy
- Terminal: Brass silver plated
- Lamp: Neon lamp, Tungsten lamp, LED
- Movable arm: Beryllium copper

HOW TO ORDER

<table>
<thead>
<tr>
<th>R9 Series</th>
<th>Switch Function</th>
<th>Rating</th>
<th>Housing Color</th>
<th>Actuator Color</th>
<th>Marking</th>
<th>Terminal Voltage</th>
<th>Lamp Type</th>
<th>Safety Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ON-OFF (SPST)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>ON-OFF (SPST-With Lamp)</td>
<td>6V DC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>ON-OFF (DPST)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>ON-OFF (DPST-With Lamp)</td>
<td>12V DC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See option of marking

0 No Lamp
1 125V AC
2 250V AC
3 12V DC
4 24V DC
5 48V DC
6 6V DC
7 3V DC
8 72V DC

000 F 1
### Option of switch function

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Poles &amp; Throws</th>
<th>Rocker Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>R91</td>
<td>SPST</td>
<td>ON</td>
</tr>
<tr>
<td>R99</td>
<td>SPST (WITH LAMP)</td>
<td>ON</td>
</tr>
<tr>
<td>R9D</td>
<td>DPST</td>
<td>ON</td>
</tr>
<tr>
<td>R9Y</td>
<td>DPST (WITH LAMP)</td>
<td>ON</td>
</tr>
<tr>
<td>R9I</td>
<td>Indicator</td>
<td></td>
</tr>
<tr>
<td>R9B</td>
<td>The block sealed on the panel</td>
<td></td>
</tr>
</tbody>
</table>

### Dimension

- **Z**: 0.7~1.25, 1.25~2.0, 2.0~3.0
- **Y**: 12.8~12.9
- **X**: 19.2~19.3, 19.3~19.4, 19.5~19.6

### Circuit of switch with Lamp & Led

- For circuit of 250VAC, 125VAC with neon lamp
- For circuit of 24 VDC, 12 VDC, 6 VDC with lamp
- For circuit of 48 VDC with LED

### Panel cut out

- X
- Y
- Z
- Y
- X

### Terminal type

- **T Type**: Quick Connect Tab
- **R Type**: Right Angle PC Through Hole Terminal
- **L Type**: Left Angle PC Through Hole Terminal