R1973 Series Rocker Switch

Specifications

Contact Rating: 9A @ 125VAC [cURus]
6A @ 250VAC [cURus]
4A(1) @ 250VAC [VDE]

Contact Arrangement: SPST, DPST

Electrical Life: 10,000 cycles
Mechanical Life: 30,000 cycles
Insulation Resistance: >1000 MΩ

Dielectric Strength: >1,500VAC for 1 minute
Operating Temperature: -30°C to 65°C
Storage Temperature: -30°C to 80°C
Panel Thickness: 0.7mm to 3.0mm

Features & Benefits

• Agency approvals: cURus, VDE
• SPST and DPST
• Illumination options
• Multiple termination options
• Actuator marking available
• Standard 13mm x 19mm panel cutout size

Part Number Configurator

<table>
<thead>
<tr>
<th>Series</th>
<th>Circuit</th>
<th>Housing Color</th>
<th>Actuator Color</th>
<th>Marking (see chart)</th>
<th>Termination</th>
<th>Lamp Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1973</td>
<td>A - SPST</td>
<td>BLK - Black</td>
<td>BLK - Black</td>
<td>A</td>
<td>F</td>
<td>0 - No Lamp</td>
</tr>
<tr>
<td></td>
<td>B - DPST</td>
<td>WHT - White</td>
<td>RED - Red</td>
<td>D</td>
<td>R</td>
<td>1 - Neon Bulb 125V-AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GRY - Grey</td>
<td>GRY - Grey</td>
<td>E</td>
<td>F</td>
<td>2 - Neon Bulb 250V-AC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>YIL - Yellow</td>
<td>F</td>
<td></td>
<td>3 - LED 12V-DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>GIL - Green</td>
<td>G</td>
<td></td>
<td>4 - LED 24V-DC</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>RIL - Red</td>
<td>I</td>
<td></td>
<td>6 - Incandescent Bulb 6V-DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>BIL - Blue</td>
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</tbody>
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Specifications subject to change without notice 2.6.2020
R1973 Series Rocker Switch

Body Dimensions

- **Model No.**
  - **Pos. 1:**
    - A - SPST
    - OFF
    - TERMINAL CLOSURE: OPEN
  - **Pos. 2:**
    - 1-1a or 2-2a for NON-ILLUMINATED RIGHT ANGLE PC PIN

- **Dimensions:**
  - **A:** 4.51 in (0.114 m)
  - **B:** 4.51 in (0.114 m)
  - **C:** 4.51 in (0.114 m)
  - **D:** 4.51 in (0.114 m)

*"R" terminal (right angle terminals bent towards the logo side)*
R1973 Series Rocker Switch

Body Dimensions

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>POS. 1</th>
<th>POS. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>B - DPST</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>TERMINAL</td>
<td>OPEN</td>
<td>1-1a, 2-2a</td>
</tr>
<tr>
<td>CLOSURE</td>
<td></td>
<td></td>
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</tbody>
</table>

TERMINAL DESIGNATIONS (DPST VERSION SHOWN)

SHOWN WITH
B - DPST
E - MARKING
F - FASTON
R1973 Series Rocker Switch

Marking Options

PCB Layouts

SPST Illuminated PCB Layout

SPST Non-Illuminated PCB Layout

DPST PCB Layout
R1973 Series Rocker Switch

Schematics

Circuit A
SPST Non-Illuminated
Right Angle PC Pin

Circuit A
SPST Non-Illuminated

Circuit A
SPST Illuminated

Circuit B
DPST Non-Illuminated

Circuit B
DPST Illuminated

Panel Cutout

Panel Cutout

<table>
<thead>
<tr>
<th>PANEL THICKNESS &quot;Z&quot;</th>
<th>&quot;X&quot; DIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7 - 1.25 [0.03 - 0.05]</td>
<td>19.2/19.3 [0.755 - 0.760]</td>
</tr>
<tr>
<td>1.25 - 2.0 [0.50 - 0.08]</td>
<td>19.3/19.4 [0.760 - 0.764]</td>
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<tr>
<td>2.0 - 3.0 [0.08 - 0.12]</td>
<td>19.5/19.6 [0.768 - 0.772]</td>
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