300 Series Rocker Switch

Applications / Markets
- Testing Equipment
- Computer Peripherals
- Consumer Electronics
- Telecommunication
- Instrumentation
- Medical Equipment

Specifications
- Contact Rating:
  - Silver: 5A @ 120VAC or 28 VDC
  - 2A @ 250VAC
  - Gold: 0.4VA @ 20V Max (AC or DC)
- Life Expectancy: 40,000 make or break cycles at full load
- Contact Resistance: 10mΩ max. initial @ 2-4VDC, 100mA for both silver and gold plated contacts
- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1,000 V RMS @ sea level
- Operating Temperature: -30°C to 85°C

Features & Benefits
- Multiple rocker & paddle options
- Up to 4 poles
- Multiple termination options
- Snap-in panel mount option available

Part Number Configurator

<table>
<thead>
<tr>
<th>Series</th>
<th>Model No.</th>
<th>Acuator Color**</th>
<th>Termination</th>
<th>Contact Material</th>
<th>Seal</th>
<th>Frame Color</th>
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<tbody>
<tr>
<td>300</td>
<td>SP1</td>
<td>Panel Mount R1</td>
<td>Panel Mount</td>
<td>M1</td>
<td>Q</td>
<td>(R6, R7 Only)</td>
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<tr>
<td></td>
<td>SP2</td>
<td>Panel Mount R2</td>
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<td>M3</td>
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<td>Panel Mount R3</td>
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<td>M51</td>
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<td>M53</td>
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<td>Panel Mount R6*</td>
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<td>M54</td>
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<td>GRY - Gray</td>
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<tr>
<td></td>
<td>DP2</td>
<td>Panel Mount R7*</td>
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<td>Q - Silver</td>
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<td>R - Gold</td>
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<td>DP3</td>
<td>Panel Mount R8*</td>
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<td>E - Epoxy sealed at base of terminal</td>
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<td>DP6</td>
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<td>DP8</td>
<td>*Snap-in Panel Mount</td>
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<td>3P1</td>
<td>PC Mount J1</td>
<td>PC Mount</td>
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<td>4P6</td>
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<td>VS12</td>
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Specifications subject to change without notice
300 Series Rocker Switch

Switch Functions

Single Pole - SP

Double Pole - DP

Triple Pole - 3P

Four Pole - 4P

MODEL NO. | POS. 1 | POS. 2 | POS. 3
--- | --- | --- | ---
SP1 | ON | NONE | ON
SP2 | ON | NONE | (ON)
SP3 | ON | OFF | ON
SP4 | (ON) | OFF | (ON)
SP5 | ON | OFF | (ON)
Term. Comm. | 2-3 | OPEN | 2-1

MODEL NO. | POS. 1 | POS. 2 | POS. 3
--- | --- | --- | ---
DP1 | ON | NONE | ON
DP2 | ON | NONE | (ON)
DP3 | ON | OFF | ON
DP4 | (ON) | OFF | (ON)
DP5 | ON | OFF | (ON)
DP7 | ON | ON | ON
DP6 | ON | ON | ON
Term. Comm. | 2-3, 5-6; 2-3, 5-4 | OPEN | 2-1, 5-4

MODEL NO. | POS. 1 | POS. 2 | POS. 3
--- | --- | --- | ---
3P1 | ON | NONE | ON
3P2 | ON | NONE | (ON)
3P3 | ON | OFF | ON
3P4 | (ON) | OFF | (ON)
3P5 | ON | OFF | (ON)
Term. Comm. | 2-3, 5-6 | OPEN | 2-1, 5-4

MODEL NO. | POS. 1 | POS. 2 | POS. 3
--- | --- | --- | ---
4P1 | ON | NONE | ON
4P2 | ON | NONE | (ON)
4P3 | ON | OFF | ON
4P4 | (ON) | OFF | (ON)
4P5 | ON | OFF | (ON)
Term. Comm. | 2-3, 5-6; 8-9, 11-12 | OPEN | 2-1, 5-4, 8-7

( ) = momentary

Switch Functions
Panel Mount Actuator

R1 Actuator

R2 Actuator

R3 Actuator

R4 Actuator

R11 Actuator

R16 Actuator

R1 & R2 Mounting

R3 & R4 Mounting

R11 Mounting

R16 Mounting
**300 Series Rocker Switch**

**Snap-in Panel Mount Actuator**

**R6 Actuator**

```
15.80 [0.622 in]
11.42 [0.449 in]
19.85 [0.781 in]
3.26 [0.128 in]
5.10 [0.201 in]
Panel Thickness Range: 1.19 - 3.18 mm
```

**R7 Actuator**

```
15.80 [0.622 in]
11.43 [0.450 in]
19.85 [0.781 in]
3.14 [0.124 in]
2.36 [0.093 in]
14.10 [0.555 in]
Panel Thickness Range: 1.19 - 3.18 mm
```

**R8 Actuator**

```
12.07 [0.475 in]
11.38 [0.448 in]
3.08 [0.121 in]
2.36 [0.093 in]
3.30 [0.130 in]
13.06 [0.514 in]
```

**R9 Actuator**

```
12.07 [0.475 in]
11.43 [0.450 in]
18.16 [0.715 in]
4.67 [0.184 in]
1.79 [0.070 in]
2.83 [0.112 in]
```

---

**ACTUATOR OPTION**

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<thead>
<tr>
<th></th>
<th>PANEL THICKNESS</th>
<th>DIM &quot;A&quot;</th>
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<tbody>
<tr>
<td>R6 or R7</td>
<td>1.19-1.51 [.047-.060]</td>
<td>15.70 [.619]</td>
</tr>
<tr>
<td>R6 or R7</td>
<td>1.52-3.18 [.061-.125]</td>
<td>15.85 [.624]</td>
</tr>
<tr>
<td>R8 or R9</td>
<td>1.19-2.29 [.047-.090]</td>
<td>15.70 [.619]</td>
</tr>
<tr>
<td>R8 or R9</td>
<td>2.30-3.18 [.091-.125]</td>
<td>15.85 [.624]</td>
</tr>
</tbody>
</table>

---

**Dimensions and Actuator Options**

- **Panel Thickness Range**: 1.19 - 3.18 mm
- **DIM "A"**: Dimensions provided for each actuator option.
300 Series Rocker Switch

PC Mount Actuator

J1 Actuator

9.27 [.365 in]
7.87 [.310 in]
6.1 [.242 in]
13.49 [.531 in]
16.9 [.664 in]

J2 Actuator

20.6 [.812 in]
9.27 [.365 in]
3.96 [.156 in]
2.12 [.084 in]
18.8 [.740 in]
15.0 [.590 in]

J3 Actuator

15.11 [.595 in]
8.13 [.320 in]
6.26 [.246 in]
26.80 [1.055 in]
23.01 [.906 in]

J4 Actuator

14.48 [.570 in]
15.11 [.595 in]
4.75 [.187 in]
29.82 [1.174 in]
14.48 [.570 in]
2.36 [.093 in]

J5 Actuator

11.43 [.450 in]
10.04 [.395 in]
11.7 [.460 in]
9.2 [.362 in]
7.78 [.308 in]
14.98 [.590 in]

J6 Actuator

11.43 [.450 in]
16.36 [.644 in]
3.18 [.125 in]
2.36 [.093 in]
2.36 [.093 in]
R5.84 [.230 in]
Panel Mount Termination

M1 Termination

See Switch Function details (page 3) for complete terminal spacing dimensions for DP, 3P, and 4P switch models.

M3 Termination

M5 Termination

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DIM &quot;A&quot;</th>
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<tbody>
<tr>
<td>M51</td>
<td>18.70 [0.736]</td>
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<tr>
<td>M52</td>
<td>24.20 [0.953]</td>
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<tr>
<td>M53</td>
<td>10.55 [0.415]</td>
</tr>
<tr>
<td>M54</td>
<td>26.97 [1.062]</td>
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</tbody>
</table>
300 Series Rocker Switch

PC Mount M2 Termination

M2 Termination - SP

M2 Termination - DP

M2 Termination - 3P

M2 Termination - 4P

M2 SP Schematic

M2 DP Schematic

M2 3P Schematic

M2 4P Schematic
PC Mount M6 Termination

M6 Termination - SP

M6 Termination - DP

M6 SP Schematic

M6 DP Schematic
300 Series Rocker Switch

PC Mount M6 Termination

M6 Termination - 3P

M6 Termination - 4P

M6 3P Schematic

M6 4P Schematic
PC Mount M7 Termination

M7 Termination - SP

M7 Termination - DP

M7 SP Schematic

M7 DP Schematic
300 Series Rocker Switch

PC Mount M7 Termination Options

M7 Termination - 3P

M7 Termination - 4P

M7 3P Schematic

M7 4P Schematic
PC Mount VS2-VS3 Termination

**VS2-VS3 Termination - SP**

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<thead>
<tr>
<th>OPTION</th>
<th>DIM &quot;A&quot;</th>
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</thead>
<tbody>
<tr>
<td>VS2</td>
<td>11.68 [.460]</td>
</tr>
<tr>
<td>VS3</td>
<td>16.00 [.630]</td>
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**VS2-VS3 Termination - DP**

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<tr>
<td>VS2</td>
<td>11.68 [.460]</td>
</tr>
<tr>
<td>VS3</td>
<td>16.00 [.630]</td>
</tr>
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**300 Series Rocker Switch**

**PC Mount VS2-VS3 Termination**

**VS2-VS3 Termination - 3P**

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<th>DIM &quot;A&quot;</th>
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<tbody>
<tr>
<td>VS2</td>
<td>11.68 [.460]</td>
</tr>
<tr>
<td>VS3</td>
<td>16.00 [.630]</td>
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**VS2-VS3 3P Schematic**

**VS2-VS3 Termination - 4P**

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<td>VS2</td>
<td>11.68 [.460]</td>
</tr>
<tr>
<td>VS3</td>
<td>16.00 [.630]</td>
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</table>
PC Mount VS4-VS5 Termination

VS4-VS5 Termination - SP

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<thead>
<tr>
<th>OPTION</th>
<th>DIM &quot;A&quot;</th>
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<tbody>
<tr>
<td>VS4</td>
<td>11.68 [.460]</td>
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<tr>
<td>VS5</td>
<td>16.00 [.630]</td>
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VS4-VS5 Termination - DP

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<th>OPTION</th>
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<td>VS4</td>
<td>11.68 [.460]</td>
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<tr>
<td>VS5</td>
<td>16.00 [.630]</td>
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300 SERIES ROCKERSWITCH

PC Mount VS4-VS5 Termination

VS4-VS5 Termination - 3P

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<th>OPTION</th>
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<td>VS4</td>
<td>11.68 [.460]</td>
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VS4-VS5 Termination - 4P

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<td>11.68 [.460]</td>
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<td>VS5</td>
<td>16.00 [.630]</td>
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