# Ordering Table — Standard Rocker & Paddle Switches

## HOW TO ORDER YOUR DESIGN

(Bold Face Type indicates items normally in Distributor Stock)

Following the table from left to right, the designer is able to specify the options wanted. The options are described and illustrated on pages 24-31. Refer to page 57 for mounting hardware.

To determine a part number select the options desired and fill in the boxes in the selection guides illustrated below.

### Rocker Switch Selection Guide

<table>
<thead>
<tr>
<th>Series</th>
<th>Poles and Throw</th>
<th>Circuits</th>
<th>Actuator Options</th>
<th>Terminal Options</th>
<th>Contact Material</th>
<th>Actuator Color</th>
<th>Bezels</th>
<th>Other Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>3PDT 1</td>
<td>POS. &quot;C&quot;</td>
<td>J1 Right Angle PC</td>
<td>A gold/silver</td>
<td>B Dark Grey</td>
<td>0 Bright Chrome</td>
<td>1M</td>
<td>Epoxy Sealed</td>
</tr>
<tr>
<td></td>
<td>2PDT 2</td>
<td>ON OFF ON 21</td>
<td>J2 Vertical PC</td>
<td>AV1 gold/silver</td>
<td>G White</td>
<td>1 Black</td>
<td>2M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3PDT 3</td>
<td>ON NONE ON 23</td>
<td>J3 Vertical PC</td>
<td>AV2 coin silver</td>
<td>Q Black</td>
<td>2 Satin Chrome</td>
<td>3M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4PDT 4</td>
<td>ON NONE ON* 26</td>
<td>J5 Vertical PC</td>
<td>J11 PC Terminals</td>
<td>C PC &amp; Support</td>
<td>V3 Light Gray</td>
<td>4P</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ON ON ON 32</td>
<td>J21 Snap-In Mount</td>
<td>J33 Vertical PC</td>
<td>V6 Brown</td>
<td>10 Blue</td>
<td>6P</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ON ON ON* 33</td>
<td>Large Snap-In Mount</td>
<td>J47 PC &amp; Support</td>
<td>V6 Light Gray</td>
<td>4P</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NONE ON 34</td>
<td>Large Snap-In Mount</td>
<td>J50 Snap-In Rocker</td>
<td>J63 Snap-In Paddle</td>
<td>W1 .964 Wire Wrap</td>
<td>9P Light Gray</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ON ON* 35</td>
<td>Snap-In Mount</td>
<td>J51 Snap-In Rocker</td>
<td>J60 Snap-In Paddle</td>
<td>W3 .425 Wire Wrap</td>
<td>9P Yellow</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NONE ON 53</td>
<td>Snap-In Mount</td>
<td>J52 Snap-In Rocker</td>
<td>J61 Snap-In Paddle</td>
<td>W4 1.062 Wire Wrap</td>
<td>9P Dark Gray</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Momentary Contact
  1 and 2 pole only
  2 For J50 and J60 only.
  3 For J11, J21, J33 and J47 only.
  4 Consult plant for availability.
  5 These circuits are NOT available with the following 3 and 4 pole options: A, AV1, AV2, V3, V4, V5, V6 and V7.
  6 Epoxy seal standard on all terminal options.

### EXAMPLES:

**B121J71AQ2** = SPDT rocker switch with an ON-OFF-ON circuit, J71 style rocker (black), right angle P.C. terminals with coin silver contacts and epoxy sealed terminals.

**B223J50ZQ22P** = DPDT rocker switch with an ON-NONE-ON circuit, J50 style rocker (black), solder lug terminals with coin silver contacts, black snap in bezel and epoxy sealed terminals.
MINIATURE SWITCHES

SPECIFICATIONS

Contact Rating — Letter codes G and Q — 6 amp at 125 VAC, 3 amp @ 250 VAC, (U.L. recognized, CSA certified) or 6 amp at 28 VDC resistive.

Letter codes B and G — 0.5 volt-amp (VA) maximum @ 28 V maximum (AC or DC).

Life Under Load — 60,000 make-and-break cycles — resistive load only.

Initial Contact Resistance — 10 milliohms maximum. 3 VDC, 100 ma for both silver and gold plated contacts.

Insulation Resistance — 1 & 2 pole — 1,000 megohms minimum. 3 & 4 pole — 1,000 megohms minimum.

Dielectric Strength — 1,000 volts rms at sea level.

Operating Temperature — 30°C to +85°C

MATERIALS

Base (body) — 1- and 2-pole — Diallyl Phthalate. (DAP).

3- and 4-pole — high strength phenolic.

Rocker/Paddle — Molded nylon.

Bushing — Brass, nickel plated.

Clamp (frame) — Stainless steel.

Support Bracket — Steel, tin plated.

Metal Bezel — Spring steel.

Plastic Bezel — Molded nylon.

Switching Contacts and Rockers —

Letter Code B — gold/nickel/brass

Letter Code G — gold/nickel/silver

Letter Code Q — Coin silver

Center Terminal

Letter Codes B, G — Gold flash/nickel/brass

Letter Code Q — Silver plated brass.

Hardware — See page 57.

APPROXIMATE BASE DIMENSIONS

![Approximate Base Dimensions Diagram]

Litho in U.S.A GG
Rocker Actuator Options For P.C. Mounting

**J71** Screw Mount Rocker

**J72** Screw Mount Paddle Rocker

**J73** Screw Mount Large Rocker

**J75** Screw Mount Large Tappered Paddle Rocker

**ACTUATOR/MOUNTING OPTIONS**

Refer to Page 57 for Mounting Hardware

Refer to Page 57 for Mounting Information
Actuator and Mounting Options — Cont’d

J11 Rocker with Snap-In Bezel

One Pole PANEL THICKNESS .062 to .125

Two Pole PANEL THICKNESS .062 to .125

J21 Paddle with Snap-In Bezel

One Pole PANEL THICKNESS .062 to .125

Two Pole PANEL THICKNESS .062 to .125

J37 Rocker Actuator/Mounting Option

Panel Thickness .062 to .125

J47 Paddle Actuator/Mounting Option

Panel Thickness .062 to .125

Three and four pole switches require assembly from back of panel.
Actuator and Mounting Options

**MINIATURE SWITCHES**

### Actuator and Mounting Options

- **J50** = Snap in Mounting w/Low Profile Rocker
- **J60** = Snap in Mounting w/Low Profile Paddle

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**OPTIONAL BEZELS** (For use with J50/J60 Series only)

**Bezel Assembled with J50/J60 Series**

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>1P</td>
<td>W-BZ-12A</td>
</tr>
<tr>
<td>Black</td>
<td>2P</td>
<td>W-BZ-12</td>
</tr>
<tr>
<td>Red</td>
<td>3P</td>
<td>W-BZ-12B</td>
</tr>
</tbody>
</table>

**Bezel for L.E.D. Assembled with J50/J60 Series** (Note: LED is not supplied)

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>4P</td>
<td>W-BZ-15</td>
</tr>
</tbody>
</table>

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**OPTIONAL MOUNTING CLIP** (For use with J50/J60 Series only)

- For thick plastic panel mount applications (.094" - .125" thick)
- Consult factory for availability

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All rocker switches on this page are snap-in from the front of the panel. No behind panel assembly hardware is needed.
## MINIATURE SWITCHES

### Termination Options

<table>
<thead>
<tr>
<th>C</th>
<th>W</th>
<th>W1</th>
<th>W3</th>
<th>W4</th>
<th>Z</th>
<th>Z3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Circuit</td>
<td>Wire-Wrap</td>
<td>Wire-Wrap</td>
<td>Wire-Wrap</td>
<td>Wire-Wrap</td>
<td>Standard</td>
<td>Quick Connect</td>
</tr>
</tbody>
</table>

### Mating Receptacle
Mating Receptacle from AMP SPECIAL IND., P.O. Box 984, Paoli, Pa. 19301 Amp P/N single piece 61454 series, strip from 60900

### Notes:
1. Wire-Wrap is a registered trademark of the Gardner-Denver Company.
2. EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

#### TERMINATION/MOUNTING OPTIONS

**ONE POLE**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O.S.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
<tr>
<td>TYP.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
</tbody>
</table>

#### TWO POLE

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O.S.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
<tr>
<td>TYP.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
</tbody>
</table>

#### THREE POLE

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.O.S.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
<tr>
<td>TYP.</td>
<td>TYP.</td>
<td>TYP.</td>
</tr>
</tbody>
</table>

### Notes:
1. The V5 option is available in Three and Four Pole Circuits.

Litho in U.S.A. GG
MINIATURE SWITCHES

Termination/Mounting Options

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

ONE POLE

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

TWO POLE

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

THREE POLE

AV1 w/.100" Terminal Spacing
AV2 w/.150" Terminal Spacing (Pictured Below)

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS

FOUR POLE

EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS
MINIATURE SWITCHES
Termination/Mounting Options

**EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

**V3**

**EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

**V4**

**EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

**V6**

**EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**

**V7**

**EPOXY SEALED P.C. TERMINALS ARE SUPPLIED AS STANDARD FOR THESE OPTIONS**