SERIES 400 SWITCHES
ROCKER SWITCHES - SUB-MINIATURE

FEATURES & BENEFITS
- Variety of switching functions
- Sub-miniature
- Multiple actuator options

APPLICATIONS/MARKETS
- Telecommunications
- Instrumentation
- Test equipment
- Networking
- Computer peripherals

SPECIFICATIONS
- Contact Rating: See contact material options
- Life Expectancy: 30,000 make-and-break cycles at full load
- Contact Resistance: 20 mΩ max. typical initial @ 2-4 VDC
- Insulation Resistance: 1,000 MΩ min
- Dielectric Strength: 1,000 V RMS @ sea level
- Operating Temperature: -30°C to 85°C

MATERIALS
- Case: Diallyl phthalate (DAP) or glass filled nylon, flame retardant, heat stabilized (UL 94-V0)
- Rocker: Nylon
- Bushing: Brass, nickel plated
- Housing: Stainless steel
- Terminal/Switch Support: Brass, or steel tin plated
- Contacts / Terminals: Silver or gold plated copper alloy

HOW TO ORDER

<table>
<thead>
<tr>
<th>SERIES 400</th>
<th>MODEL NO.</th>
<th>ACTUATOR</th>
<th>ACTUATOR COLOR</th>
<th>TERMINATION</th>
<th>CONTACT MATERIAL</th>
<th>SEAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSP1</td>
<td></td>
<td>R1*</td>
<td>BLK =Black</td>
<td>M1</td>
<td>Q = Silver</td>
<td>E</td>
</tr>
<tr>
<td>MSP2</td>
<td></td>
<td>R6**</td>
<td>WHT =White</td>
<td>M2</td>
<td>R = Gold</td>
<td></td>
</tr>
<tr>
<td>MSP3</td>
<td></td>
<td></td>
<td>RED =Red</td>
<td>M6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSP4</td>
<td></td>
<td></td>
<td></td>
<td>M61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSP5</td>
<td></td>
<td></td>
<td></td>
<td>M7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSP6***</td>
<td></td>
<td></td>
<td></td>
<td>M71</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDP1</td>
<td></td>
<td></td>
<td></td>
<td>VS2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDP2</td>
<td></td>
<td></td>
<td></td>
<td>VS21</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MDP3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example Ordering Number
400- MSP1- R6- BLK- M6- R- E

* Std. all models except SPDT with M6 + M61 terminations.
** Std. on SPDT models with M6 + M61 terminations.
*** Not available with M6 terminations.

Specifications subject to change without notice.

SPDT

SCHHEMATIC

Model No | POS 1 | POS 2 | POS 3
----------|-------|-------|-------
MSP-1     | ON    | NONE  | ON    |
MSP-2     | ON    | NONE  | (ON)  |
MSP-3     | ON    | OFF   | (ON)  |
MSP-4     | (ON)  | OFF   | (ON)  |
MSP-5     | ON    | OFF   | (ON)  |
MSP-6     | OFF   | NONE  | ON    |

Term. Comm. 2-3 OPEN 2-1
( ) = Momentary
### DPDT

![Schematic of DPDT switch]

<table>
<thead>
<tr>
<th>Model No.</th>
<th>POS 1</th>
<th>POS 2</th>
<th>POS 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDP-1</td>
<td>ON</td>
<td>NONE</td>
<td>ON</td>
</tr>
<tr>
<td>MDP-2</td>
<td>ON</td>
<td>NONE</td>
<td>(ON)</td>
</tr>
<tr>
<td>MDP-3</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>

Term. Comm. 2-3, 5-6: OPEN 2-1, 5-4

( ) = Momentary

### ACTUATOR OPTIONS

**R1**

Std. all models except SPDT with M6 terminations.

**R6**

Std. on SPDT models with M6 terminations.

### TERMINATION OPTIONS

**M1**

**SOLDER LUG**

**M2**

**P.C. MOUNT**

### www.e-switch.com info@e-switch.com
SERIES 400 SWITCHES
ROCKER SWITCHES - SUB-MINIATURE

M6
SPDT

DPDT

M61
SPDT

DPDT

Phone: 800-867-2717
Fax: 763-531-8235
SERIES 400 SWITCHES
ROCKER SWITCHES - SUB-MINIATURE

VS2
SPDT

VS2
DPDT

VS21
SPDT

CONTACT MATERIAL OPTIONS

<table>
<thead>
<tr>
<th></th>
<th>Q</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Terminal:</td>
<td>Silver plated copper alloy</td>
<td>Copper alloy with gold plate over nickel plate</td>
</tr>
<tr>
<td>Moving Contact:</td>
<td>Silver plated copper alloy</td>
<td>Copper alloy with gold plate over nickel plate</td>
</tr>
<tr>
<td>Rating:</td>
<td>3 AMPS @ 120 VAC or 28 VDC; 1 AMP @ 250VAC</td>
<td>0.4 VA max. @ 20 VAC or DC max.</td>
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</tbody>
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