KS
Single Pole Key Switches

Features/Benefits
- Positive tactile feel
- Variety of cap colors
- SPST and SPDT configurations
- RoHS compliant

Typical Applications
- Telecommunications
- Industrial
- Instrumentation

Specifications
CONTACT RATING: Q contact material: 25mA @ 50V AC .or DC max.
ELECTRICAL LIFE: 100,000 actuations.
CONTACT RESISTANCE: Below 100 mΩ initial @ 2-4 V DC, 100 mA
INSULATION RESISTANCE: 10^9 Ω min.
DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.
OPERATING TEMPERATURE: -30°C to 65°C.
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

Materials
CASE: Glass filled nylon (UL 94V-0).
ACTUATOR: ABS, matte finish, black standard.
MOVABLE CONTACT: Q contact material: Stainless steel, silver plated.
STATIONARY CONTACTS AND TERMINALS: Q contact material: copper alloy, silver plated.
TERMINAL SEAL: Epoxy

Note: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

How To Order
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.
### Single Pole Key Switches

#### KS11 / KS12

<table>
<thead>
<tr>
<th>No. Poles</th>
<th>Model No.</th>
<th>Switch Function</th>
<th>Connected Terminals</th>
<th>Schematic</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP</td>
<td>KS11</td>
<td>OFF MOM</td>
<td>OPEN 1–3</td>
<td>SPST</td>
</tr>
<tr>
<td></td>
<td>KS12</td>
<td>ON MOM</td>
<td>1–4 1–3</td>
<td>SPDT</td>
</tr>
</tbody>
</table>

#### R2 Cap with Round Depression

<table>
<thead>
<tr>
<th>Option Code</th>
<th>Cap Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BLACK</td>
</tr>
<tr>
<td>1</td>
<td>WHITE</td>
</tr>
<tr>
<td>3</td>
<td>RED</td>
</tr>
<tr>
<td>9</td>
<td>GRAY</td>
</tr>
</tbody>
</table>
KS
Single Pole Key Switches

TERMINATION

C PC THRU-HOLE

PC MOUNTING

MULTIPLE SWITCH SPACING

CONTACT MATERIAL

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>CONTACT MATERIAL</th>
<th>TERMINAL PLATING</th>
<th>RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>SILVER(^1)</td>
<td>SILVER(^1)</td>
<td>POWER</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>25 mA MAX. @ 50 V AC OR DC MAX.</td>
</tr>
<tr>
<td>B</td>
<td>GOLD(^1)</td>
<td>GOLD(^1)</td>
<td>LOW LEVEL/DRY CIRCUIT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.4 VA MAX. @ 20 V AC OR DC MAX.</td>
</tr>
</tbody>
</table>

1) MOVABLE CONTACT: Stainless steel, with gold plate over nickel plate.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

2) MOVABLE CONTACT: Stainless steel, silver plated.
STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

NOTE: Any models supplied with Q or B contact material are RoHS compliant.

SEAL

D NO EPOXY SEAL

E EPOXY SEAL

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com

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