**Features/Benefits**

- Anti-static switch—exceeds 20 KV DC static resistance
- Momentary models available
- Wire leads and harnesses available

**Specifications**

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA). See page L-9 for additional ratings.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 mΩ typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10^9 Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

INDICATING: 45° or 90°, 2-4 positions (4&5 tumbler switchlocks), 45°, 3 positions; or 90°, 2 positions (6 tumbler tubular switchlocks).

Other functions available, consult Customer Service Center.

STATIC RESISTANCE: Anti-static models exceed 20 KV DC static resistance @ sea level, lock body to terminals.

MOUNTING TORQUE: 10 in./lbs.; 14 in./lbs max.

**Materials**

LOCK: Zinc alloy with stainless steel facing, std. (4 & 5 tumbler lock and 6 tumbler tubular lock).

KEYS: Two nickel plated brass keys, with code number, std. (4 and 5 tumbler lock). Two die cast chrome plated zinc alloy keys, std. (6 tumbler lock).

SWITCH HOUSING: Glass filled polyester (UL 94V-0).

CONTACTS AND TERMINALS: Q contact material: Copper, silver plated. See page L-9 for additional contact materials.

MOUNTING NUT: Zinc alloy.

MOUNTING CLIP: Steel, zinc plated.

DRESS NUT: Brass, nickel plated.

TERMINAL SEAL: Epoxy.

**Typical Applications**

- Point-of-sale terminals
- Cash registers
- Computers

**Build-A-Switch**

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages L-4 through L-10. For additional options not shown in catalog, consult Customer Service Center.

---

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

[www.ck-components.com](http://www.ck-components.com)
# Y Series

## 4, 5 & 6 Tumbler Switchlocks

### SWITCH AND LOCK FUNCTION

#### SINGLE & DOUBLE POLE SWITCHES

<table>
<thead>
<tr>
<th>NO. TUMBLERS</th>
<th>NO. POLES</th>
<th>MODEL NO.</th>
<th>CONNECTED TERMINALS</th>
<th>KEY PULL POSITIONS</th>
<th>LOCK CONFIGURATION</th>
<th>INDEXING</th>
</tr>
</thead>
<tbody>
<tr>
<td>4, 5 &amp; 6</td>
<td>SP</td>
<td>Y10013</td>
<td>8-1 1-2 2-3</td>
<td>Position 1</td>
<td>45º</td>
<td></td>
</tr>
<tr>
<td>4, 5 &amp; 6</td>
<td>DP</td>
<td>Y1001U</td>
<td>8-1 1-2, 5-6 2-3</td>
<td>Positions 1 &amp; 3</td>
<td>45º</td>
<td></td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>DP</td>
<td>Y10082</td>
<td>8-1 1-2, 5-6 7-8</td>
<td>Position 1</td>
<td>90º</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DP</td>
<td>Y100AA</td>
<td>8-1 1-2, 5-6 7-8</td>
<td>Positions 1, 2 &amp; 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DP</td>
<td>Y100AB</td>
<td>8-1 1-2, 5-6 2-3, 6-7</td>
<td>Positions 1, 2, 3 &amp; 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4, 5 &amp; 6</td>
<td>DP</td>
<td>Y10113</td>
<td>8-1 1-3, 5-7</td>
<td>Position 1</td>
<td>45º</td>
<td></td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>DP</td>
<td>Y1011C</td>
<td>8-1 1-3, 5-7</td>
<td>Position 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4, 5 &amp; 6</td>
<td>DP</td>
<td>Y1011U</td>
<td>8-1 1-3, 5-7</td>
<td>Positions 1 &amp; 2</td>
<td>90º</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SP</td>
<td>Y14173</td>
<td>7-1 1-3 6-7</td>
<td>Position 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SP</td>
<td>Y1417U</td>
<td>7-1 1-3 6-7</td>
<td>Positions 1, 2 &amp; 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### SINGLE & DOUBLE POLE MOMENTARY SWITCHES

<table>
<thead>
<tr>
<th>NO. TUMBLERS</th>
<th>NO. POLES</th>
<th>MODEL NO.</th>
<th>CONNECTED TERMINALS</th>
<th>KEY PULL POSITIONS</th>
<th>LOCK CONFIGURATION</th>
<th>INDEXING</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>SP</td>
<td>Y10812</td>
<td>8-1 1-2, 5-6</td>
<td>Position 1</td>
<td>45º Mom.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DP</td>
<td>Y20812</td>
<td>8-1 1-2, 5-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### LEGEND

- ▲ = Momentary Positions (45º)
- ● = Detent Positions (45º or 90º)
- ♦ = Key pull possible in these positions.
- ◊ = Stop Positions

### TERMINAL NUMBERS

Terminal numbers molded on bottom of housing.

All models can be ordered with all options when ordered with 'G' or 'Q' contact material.

Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

www.ck-components.com
Y Series
4, 5 & 6 Tumbler Switchlocks

SWITCH AND LOCK FUNCTION

SINGLE POLE SWITCHES WITH COMMON

<table>
<thead>
<tr>
<th>NO. TUMBLERS</th>
<th>NO. POLES</th>
<th>MODEL NO.</th>
<th>CONNECTED TERMINALS</th>
<th>KEY PULL POSITIONS</th>
<th>LOCK CONFIGURATION</th>
<th>INDEXING</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>SP</td>
<td>Y19073</td>
<td>C-1 C-2 C-4</td>
<td>Position 1</td>
<td>90º</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y1907U</td>
<td></td>
<td>Positions 1, 2 &amp; 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y1900S</td>
<td>C-1 C-2 C-3 C-4</td>
<td>Positions 1, 2, 3 &amp; 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LEGEND
- = Detent Positions (45º or 90º)
- = Key pull possible in these positions.
= Stop Positions

TERMINAL NUMBERS

All models with all options when ordered with ‘G’ or ‘Q’ contact material.

NOTE: Epoxy seal not available. Removable dress nut not available with any Y190XX models.

4 & 5 Tumbler

6 Tumbler

Part number shown: Y100132C203NQ

Part number shown: Y1011U2V203NQ

Terminal numbers marked on insulator.

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

www.ck-components.com
Y Series
4, 5 & 6 Tumbler Switchlocks

SWITCH AND LOCK FUNCTION

AVAILABLE OPTION COMBINATIONS

<table>
<thead>
<tr>
<th>MODELS</th>
<th>LOCK TYPES</th>
<th>TERMINATIONS</th>
<th>MOUNTING/Lock STYLES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A  B  C  R  V  W</td>
<td>01  02  03  07  WC</td>
<td>D  L  N  R</td>
</tr>
<tr>
<td>YX0013</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
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<tr>
<td>YX001U</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
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<tr>
<td>YX0082</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
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<tr>
<td>YX00A6</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
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<tr>
<td>YX0113</td>
<td>●  ●  ●  ●  ●  ●</td>
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<td>●  ●  ●</td>
</tr>
<tr>
<td>YX011C</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
</tr>
<tr>
<td>YX011U</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
</tr>
<tr>
<td>Y141XX</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
</tr>
<tr>
<td>Y03812</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
</tr>
<tr>
<td>Y190XX</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●  ●  ●  ●</td>
<td>●  ●  ●</td>
</tr>
</tbody>
</table>

KEYING

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>KEYING OPTIONS</th>
<th>CODE NO. ON KEY</th>
<th>CODE NO. ON LOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2 NICKEL PLATED BRASS KEYS (4 &amp; 5 TUMBLER) or 2 DIE CAST CHROME PLATED ZINC ALLOY KEYS (6 TUMBLER)</td>
<td>YES</td>
<td>NO</td>
</tr>
<tr>
<td>6</td>
<td>2 NICKEL PLATED BRASS KEYS, 4 &amp; 5 TUMBLER ONLY</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

NOTE: All orders keyed alike, standard. For more than one key code, master keying, replacement keys, or other special features, consult Customer Service Center.

NOTE: Keys are available separately, see page L-10. Key head shape subject to change without notice.

LOCK TYPE

C 4 TUMBLER LOCK WITH DETENT
B 5 TUMBLER LOCK

V 6 TUMBLER TUBULAR LOCK

A 4 TUMBLER LOCK (MOMENTARY MODELS ONLY)

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change
Y Series
4, 5 & 6 Tumbler Switchlocks

LOCK TYPE

SHORT ANTI-STATIC LOCK TYPES

R
4 TUMBLER LOCK WITH DETENT AND SHORT ANTI-STATIC SWITCH.

W
6 TUMBLER TUBULAR LOCK WITH ANTI-STATIC SWITCH

Available with Lock Finish ‘2’ only.

NOTE: For available option combinations, see page L-9.

U.S. Pat. No. 4,639,562 Exceeds 20 KV DC static resistance @ sea level, lock body to terminals.

LOCK FINISH

2 STAINLESS STEEL

8 GLOSS BLACK

F POLISHED NICKEL

TERMINATIONS

03 SOLDER LUG WITH HOLE

01 SOLDER LUG WITH NOTCH

02 PC THRU-HOLE

WC WIRE LEAD

Black wire standard, other colors and lengths available, consult Customer Service Center. UL style 1015.

All Models Except Y190

02 PC THRU-HOLE

07 SOLDER LUG WITH HOLE

WC WIRE LEAD

Y190 Model Only

02 PC THRU-HOLE

07 SOLDER LUG WITH HOLE

WC WIRE LEAD

Black wire standard, other colors and lengths available, consult Customer Service Center. UL style 1015.

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

www.ck-components.com
Y Series
4, 5 & 6 Tumbler Switchlocks

MOUNTING/LOCK STYLE

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>MOUNTING STYLE</th>
<th>PANEL THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>WITH NUT</td>
<td>.085-.105 (2.16-2.67)</td>
</tr>
<tr>
<td>D</td>
<td>WITH CLIP</td>
<td>.085-.105 (2.16-2.67)</td>
</tr>
</tbody>
</table>

NOTE: Removable dress nut not available with Y1900A or Y100AA model options.

TYPICAL INSTALLATION
Install hex nut with enough clearance to allow for dress nut and panel. Place switch through cutout in rear of panel. Install and tighten dress nut by hand, then tighten hex nut. Always tighten assembly with back of panel hex nut to avoid damaging front of panel.

LATCH PAWL
Latch pawl shown in pos. 1.
Y Series
4, 5 & 6 Tumbler Switchlocks

Mounting Information (All Models)

<table>
<thead>
<tr>
<th>MOUNTING STYLES</th>
<th>A, B LOCK TYPES</th>
<th>C, R LOCK TYPES</th>
<th>V, W LOCK TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>.065-.085 (1.65-2.16)</td>
<td>.085-.105 (2.16-2.67)</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>.105 (2.67) max.</td>
<td>.195 (4.95) max.</td>
<td>.215 (5.46) max.</td>
</tr>
<tr>
<td>L</td>
<td>.215 (5.46) max.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>.125 (3.18) max.</td>
<td>.215 (5.46) max.</td>
<td></td>
</tr>
</tbody>
</table>

Available Option Combinations

<table>
<thead>
<tr>
<th>MOUNTING STYLES</th>
<th>LOCK FINISHES</th>
<th>LOCK TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>● ● ● ● ● ● ● ●</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>● ● ● ● ● ● ● ●</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>● ● ● ● ● ● ● ●</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>● ● ● ● ● ● ● ●</td>
<td></td>
</tr>
</tbody>
</table>

CONTACT MATERIAL

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>RoHS COMPLIANT</th>
<th>RoHS COMPATIBLE</th>
<th>CONTACT AND TERMINAL MATERIAL</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>YES</td>
<td>YES</td>
<td>SILVER ²</td>
<td>4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA).</td>
</tr>
<tr>
<td>B</td>
<td>YES</td>
<td>YES</td>
<td>GOLD ¹</td>
<td>0.4 VA MAX. @ 20 V AC or DC MAX.</td>
</tr>
<tr>
<td>G</td>
<td>YES</td>
<td>YES</td>
<td>GOLD SILVER ³</td>
<td>0.4 VA MAX. @ 20 V AC or DC MAX. or 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA).</td>
</tr>
</tbody>
</table>

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

1 CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.
2 CONTACTS & TERMINALS: Copper, silver plated (std. with all termination options).
3 CONTACTS & TERMINALS: Copper, with gold plate over silver plate.

SEAL

NONE NO SEAL

E EPOXY SEAL

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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Y Series
4, 5 & 6 Tumbler Switchlocks

AVAILABLE HARDWARE

Key Code: A126
4 TUMBLER
PART NO. (ONE KEY)
115140126
Material: Brass
Finish: Nickel plate

Key Code: D001
5 TUMBLER
PART NO. (ONE KEY)
115441001
Material: Brass
Finish: Nickel plate

Key Code: AAAA
PART NO. (ONE KEY)
363C1AAAA
Material: Zinc alloy
Finish: Chrome plate