Y Series
4, 5 & 6 Tumbler Switchlocks

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

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 & 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.
NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.
NOTE: Specifications and materials listed above are for switchlocks with standard options. For information on specific and custom switchlocks, consult Customer Service Center.

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.

Switch and Lock Function
Y10013 SP, 45°, keypull pos. 1
Y1011U SP, 45°, keypull pos. 1 & 2
Y1001U SP, 45°, keypull pos. 1 & 3
Y2001U DP, 45°, keypull pos. 1 & 3
Y10082 SP, 45°, keypull pos. 1
Y20082 DP, 45°, keypull pos. 1
Y100AA SP, 45°, keypull pos. 1, 2 & 3
Y200AA DP, 45°, keypull pos. 1, 2 & 3
Y100AB SP, 45°, keypull pos. 1, 2 & 3 & 4
Y200AB DP, 45°, keypull pos. 1, 2 & 3 & 4
Y10113 SP, 90°, keypull pos. 1
Y20113 DP, 90°, keypull pos. 1
Y1011C SP, 90°, keypull pos. 2
Y2011C DP, 90°, keypull pos. 2
Y2011U DP, 90°, keypull pos. 1 & 2
Y14173 SP, 90°, keypull pos. 1
Y1417U SP, 90°, keypull pos. 1, 2 & 3
Y10812 SP, 45°, mom., keypull pos. 1
Y20812 DP, 45°, mom., keypull pos. 1
Y19073 SP w/common, 90°, keypull pos. 1
Y1907U SP w/common, 90°, key pull pos. 1, 2 & 3
Y1900S SP w/common, 90°, keypull pos. 1, 2, 3 & 4

Keying
2 Two nickel plated brass keys (4 & 5 tumbler) or two die cast zinc alloy keys with chrome plating (6 tumbler)
6 Two nickel plated brass keys with code on lock face

Lock Type
A 4 Tumbler lock (YX08 models)
C 4 Tumbler lock with detent
V 6 Tumbler tubular lock
B 5 Tumbler lock
R 4 Tumbler lock with detent and anti-Static switch
W 6 Tumbler tubular lock with anti-Static switch

Lock Finish
2 Stainless steel facing
8 Gloss black facing
F Polished nickel facing

Terminations
03 Solder lug with hole
01 Solder lug with notch
02 PC Thru-hole
07 Solder lug with hole (Y190XX models only)
WC Wire lead

Contact Material
G Silver
B Gold
G Gold over silver

Seal
NONE No seal
E Epoxy seal

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 & 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>POS. 1: 8-1 1-2 2-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td>45º</td>
</tr>
<tr>
<td></td>
<td>DP</td>
<td>Y1001U</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Positions 1 &amp; 3</td>
<td>POS. 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y20011U</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>DP</td>
<td>Y10082</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td>45º</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y20082</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DP</td>
<td>Y100AA</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Positions 1, 2 &amp; 3</td>
<td>POS. 1</td>
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</tr>
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<td></td>
<td></td>
<td>Y200AA</td>
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<td></td>
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<tr>
<td>4</td>
<td>DP</td>
<td>Y100AB</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Positions 1, 2, 3 &amp; 4</td>
<td>POS. 1</td>
<td>90º</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y200AB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4, 5 &amp; 6</td>
<td>DP</td>
<td>Y10113</td>
<td>POS. 1: 8-1 1-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y20113</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>DP</td>
<td>Y1011C</td>
<td>POS. 1: 8-1 1-3</td>
<td>Position 2</td>
<td>POS. 1</td>
<td>90º</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y2011C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4, 5 &amp; 6</td>
<td>DP</td>
<td>Y1011U</td>
<td>POS. 1: 8-1 1-3</td>
<td>Positions 1 &amp; 2</td>
<td>POS. 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y2011U</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SP</td>
<td>Y14173</td>
<td>POS. 1: 7-1 1-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td>90º</td>
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<tr>
<td></td>
<td></td>
<td>Y1417U</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>4</td>
<td>SP</td>
<td>Y10812</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td>45º</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y20812</td>
<td></td>
<td></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>DP</td>
<td>Y10812</td>
<td>POS. 1: 8-1 1-2 2-3</td>
<td>Position 1</td>
<td>POS. 1</td>
<td>45º</td>
</tr>
</tbody>
</table>

### TERMINAL NUMBERS

Terminal numbers molded on bottom of housing.

All models 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>2 2</td>
<td>90°</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Y1907U</td>
<td>C-1 C-2</td>
<td>Positions 1, 2 &amp; 3</td>
<td>3 2</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>2 3</td>
<td></td>
</tr>
</tbody>
</table>

### LEGEND

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

### TERMINAL NUMBERS

Terminal numbers marked on insulator.

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

Part number shown: Y10012C203NQ

![4 & 5 Tumbler Diagram](image)

---

### 6 Tumbler

Part number shown: Y1011U2V203NQ

![6 Tumbler Diagram](image)
Y Series
4, 5 & 6 Tumbler Switchlocks

SWITCH AND LOCK FUNCTION

<table>
<thead>
<tr>
<th>AVAILABLE OPTION COMBINATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODELS</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>YX0013</td>
</tr>
<tr>
<td>YX001U</td>
</tr>
<tr>
<td>YX0082</td>
</tr>
<tr>
<td>YX02AX</td>
</tr>
<tr>
<td>YX0313</td>
</tr>
<tr>
<td>YX031C</td>
</tr>
<tr>
<td>YX031U</td>
</tr>
<tr>
<td>Y141XX</td>
</tr>
<tr>
<td>Y0812</td>
</tr>
<tr>
<td>Y190XX</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>
</table>
| 2            | 2 NICKEL PLATED BRASS KEYS
(4 & 5 TUMBLER) or 2 DIE CAST CHROME PLATED ZINC ALLOY KEYS
(6 TUMBLER) | YES | NO |
| 6            | 2 NICKEL PLATED BRASS KEYS, 4 & 5 TUMBLER ONLY | YES | YES |

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

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

www.ck-components.com
## Y Series

### 4, 5 & 6 Tumbler Switchlocks

#### LOCK TYPE

<table>
<thead>
<tr>
<th>LOCK FINISH</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>STAINLESS STEEL</td>
</tr>
<tr>
<td>8</td>
<td>GLOSS BLACK</td>
</tr>
<tr>
<td>F</td>
<td>POLISHED NICKEL</td>
</tr>
</tbody>
</table>

#### SHORT ANTI-STATIC LOCK TYPES

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

#### TERMINATIONS

<table>
<thead>
<tr>
<th>TERMINATION</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>SOLDER LUG WITH HOLE</td>
</tr>
<tr>
<td>01</td>
<td>SOLDER LUG WITH NOTCH</td>
</tr>
<tr>
<td>02</td>
<td>PC THRU-HOLE</td>
</tr>
<tr>
<td>WC</td>
<td>WIRE LEAD</td>
</tr>
</tbody>
</table>

##### 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

### Notes

- **NOTE**: For available option combinations, see page L-9.
- **NOTE**: For available option combinations, see page L-9.
- **NOTE**: Available with Lock Types ‘V’ & ‘W’ only.

---

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

N WITH NUT

D WITH CLIP

PANEL MOUNTING

GRAIN DIRECTION
BURR SIDE UP

OPTION CODE MOUNTING STYLE PANEL THICKNESS
N WITH NUT .085-.105 (2.16-2.67)
D WITH CLIP .085-.105 (2.16-2.67)

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.

NOTE: Removable dress nut not available with Y1900A or Y100AA model options.
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>
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</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>POWER 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>LOW LEVEL/DRY CIRCUIT 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>LOW LEVEL/DRY CIRCUIT OR POWER 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. All models with all options when ordered with ‘G’ or ‘Q’ contact material.
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

EPOXY .075 MAX. (1.91)

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change
www.ck-components.com
Y Series
4, 5 & 6 Tumbler Switchlocks

AVAILABLE HARDWARE

<table>
<thead>
<tr>
<th>Key Code</th>
<th>PART NO. (ONE KEY)</th>
<th>Material</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>A126</td>
<td>115140126</td>
<td>Brass</td>
<td>Nickel plate</td>
</tr>
<tr>
<td>D001</td>
<td>115441001</td>
<td>Brass</td>
<td>Nickel plate</td>
</tr>
<tr>
<td>AAAA</td>
<td>363C1AAAA</td>
<td>Zinc alloy</td>
<td>Chrome plate</td>
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</tbody>
</table>