Features/Benefits

- Multi-pole and multi-position
- Shorting and non-shorting contacts available
- Low level and power capability
- PCB mounting

Typical Applications

- Security alarm systems
- Medical equipment
- Computer servers



C The US Models Available

Specifications

CONTACT RATING: Q contact material: Switch-2.5 AMPS @ 125 V AC; 350 mA @ 125 V DC (UL/CSA). Carry-5 AMPS continuous. See page L-33 for additional ratings.

- ELECTRICAL LIFE: 15,000 make-and-break cycles at full load up to 300,000 detent operations.
- CONTACT RESISTANCE: Below 20 m Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: $10^9 \Omega$ min.

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

OPERATING TEMPERATURE: -30°C to 85°C.

INDEXING: 30°: 2-4 positions, 45° or 90°: 2-3 positions.

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.

KEYS: Two nickel plated brass keys with code number.

SWITCH HOUSING: Glass filled 6/6 nylon (UL 94V-0).

- MOVABLE CONTACT: Q contact material: Coin silver, silver plated. See page L-38 for additional contact materials.
- STATIONARY CONTACTS & TERMINALS: Q contact material: Brass, silver plated. See page L-33 for additional contact materials.

MOUNTING NUT: Zinc alloy.

DRESS NUT: Brass, nickel plated.

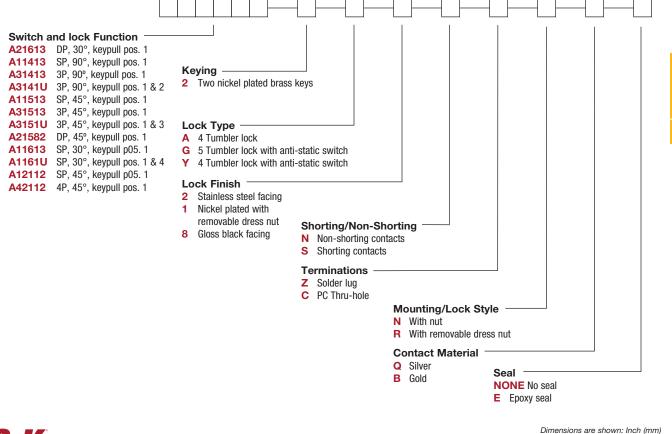
TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q or B 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.

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–30 through L–33. For additional options not shown in catalog, consult Customer Service Center.



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

Switchloc

A Series 4 & 5 Tumbler 1-4 Pole Switchlocks

		CONNECTED TERMINALS							
NO. POLES	MODEL NO.	POS. 1	POS. 2	POS. 3	POS. 4	KEY PULL POSITIONS	LOCK CONFIGURATION	INDEXING	
SP 3P	A11413 * A31413	A-1 A-1, B-5, C-9	A-4 A-4, B-8, C-12			Position 1	POS. 1	- 90°	
3P	A3141U	A-1, B-5, C-9	A-4, B-8, C-12			Positions 1 & 2	POS. 1		
SP 3P	A11513 * A31513	A-1 A-1, B-5, C-9	A-2 A-2, B-6, C-10	A-4 A-4, B-8, C-12		Position 1	POS. 1 • 2 • 3		
3P	A3151U	A-1, B-5, C-9	A-2, B-6, C-10	A-4, B-8, C-12		Positions 1 & 3	POS. 1 • 2 • 3	45°	
DP	A21582	A-4, C-10	A-5, C-11	A-2, C-8		Position 1	POS. 1		
SP DP	A11613 * A21613	A-1 A-1, C-7	A-2 A-2, C-8	A-3 A-3, C-9	A-4 A-4, C-10	Position 1	POS. 1 • 2 • 3 • 4	- 30°	
SP	A1161U *	A-1	A-2	A-3	A-4	Positions 1 & 4	POS. 1 • 2 • 3 • 4	30	
SP 4P	A12112 * A42112	A-1 A-1, B-4, C-7, D-10	A-2 A-2, B-5, C-8, D-11			Position 1	POS. 1	45°	

SWITCH AND LOCK FUNCTION

LEGEND

- = Detent Positions (30°, 45° or 90°)
- \odot = Key pull possible in these positions.
- Stop Positions

*NOTE: Switchlock models A114XX, A115XX, A116XX and A12112 with 'C' terminations have additional terminal no. 8 as switch support only. This terminal is not connected electrically inside switch.

All models **c** us with all options when ordered with 'Q' contact material. AX14 models not available with 'S' shorting contacts.



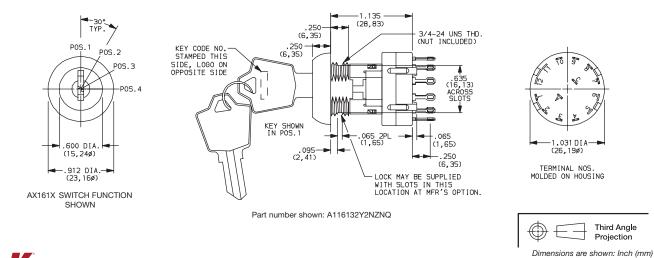


3P MODEL

4P MODEL SP MODEL (omit terminals B, C & D)

DP MODEL (omit terminals B & D)

Terminal numbers molded on housing bottom.

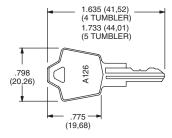




KEYING

OPTION CODE	KEYING OPTIONS	CODE NO. ON KEY	CODE NO. ON LOCK
2	2 NICKEL PLATED BRASS KEYS	YES	NO

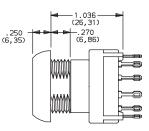
NOTE: All orders keyed alike, standard. For more than one key code, replacement keys, or other special features, consult Customer Service Center.



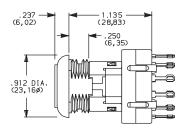
Key part number: 115140126

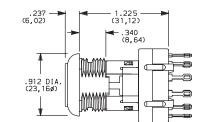
NOTE: Key head shape subject to change without notice.

A 4 TUMBLER LOCK WITH REMOVABLE DRESS NUT



Y 4 TUMBLER LOCK WITH ANTI-STATIC SWITCH





G 5 TUMBLER LOCK WITH ANTI-STATIC SWITCH

Not available with AX23 models.

AVAILABLE OPTION COMBINATIONS							
LOCK	MOUNTING STYLES						
TYPES	N	R					
G	•						
Α		•					
Y	•						

NOTE: For available option combinations, see page L-38.

LOCK FINISH 2 STAINLESS STEEL 1 NICKEL 8 GLOSS BLACK AVAILABLE OPTION COMBINATIONS MOUNTING LOCK TYPES FINISH STYLES OPTIONS G Υ Ν R Α • 1 2 • • • • • •

NOTE: For available option combinations, see page M-38.

SHORTING/NON-SHORTING -0-0-0

NON-SHORTING CONTACTS (break-before-make)

SHORTING CONTACTS (make-before-break)

Not available with AX14 models

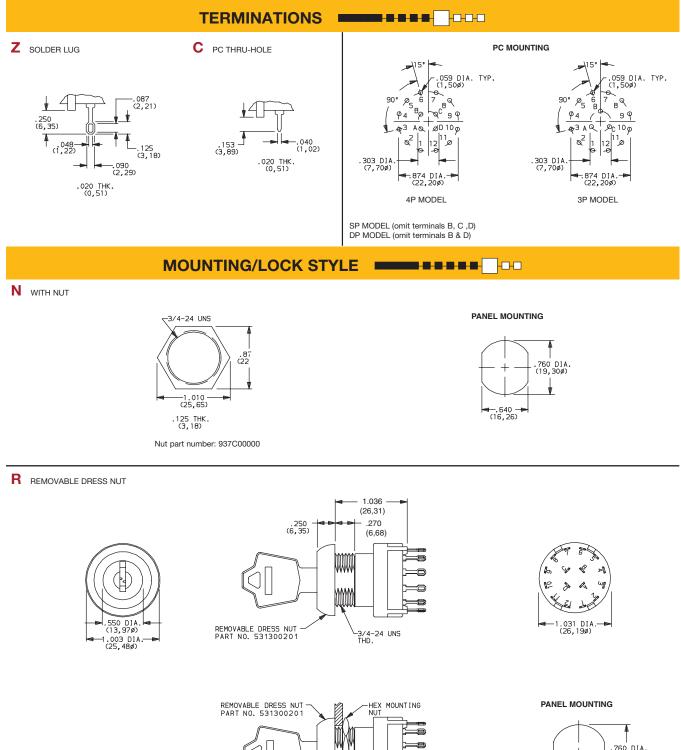
8

Third Angle \odot Projection



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

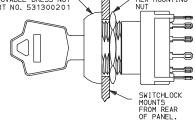
A Series 4 & 5 Tumbler 1-4 Pole Switchlocks

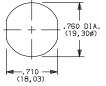


TYPICAL INSTALLATION

Switchlock T

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.







Specifications and dimensions subject to change

C&K

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MOUNTING/LOCK STYLE

Mounting Information (All Models)

MOUNTING	PANEL THICKNESS				
STYLES	A & Y LOCK TYPES	G LOCK TYPES			
N	.105 (2,67) max.	.195 (4,95) max.			
R	.125 (3,18) max.	.215 (5,46) max.			

PANEL

MOUNT I NG NUT

LOCK ASSEMBLY

KEYING SLOT

KEYING

SWITCH ASSEMBLY

9

0

TAB

AVAILABLE OPTION COMBINATIONS						
MOUNTING	LOCK FINISHES			LOCK TYPES		
STYLES	1	2	8	G	Α	Y
N		•	•	•		•
R	•		•		•	



- 1. Place lock assembly in mounting hole on panel, secure with mounting nut.
- 2. Align keying tab on switch assembly with keying slot on lock assembly.
- 3. Snap assemblies together.
- 4. Switch installation is permanent. Switch cannot be removed from lock after assembly. Attempting to separate switch and lock may cause damage to switchlock.

CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT AND TERMINAL MATERIAL	RATING		
Q	YES	YES	SILVER ²	POWER	SWITCH-2.5 AMPS @ 125 V AC; 350 mA @ 125 V DC (UL/CSA). CARRY-5 AMPS CONTINUOUS.	
В	YES	YES	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC or DC MAX.	

SEAL

¹ MOVABLE CONTACT: Copper alloy, with gold plate over nickel plate. STATIONARY CONTACTS & TERMINALS: Brass, with gold plate over nickel plate.

² MOVABLE CONTACT: Coin silver, silver plated. STATIONARY CONTACTS & TERMINALS: Brass, silver plated (standard with all

termination options).

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

All models with all options when ordered with 'Q' contact material. c SU us

AVAILABLE HARDWARE





PART NO. (ONE KEY)

NONE NO SEAL

115140126

Material: Brass Finish: Nickel plate



Key Code: D001 5 TUMBLER PART NO. (ONE KEY)

> 115441001 Material: Brass Finish: Nickel plate





Specifications and dimensions subject to change

www.ckswitches.com

E EPOXY SEAL

075 MAX. 1.91)

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A421122Y2NZNQ A114132Y2NZNQ A115132Y2NZNQ A1161U2A1NZRQ A215822A1SCRB A216132Y2NZNQ A314132A1NZRQ A314132Y2NZNQ A3141U2A1NZRQ A315132A1SZRB A315132Y2SZNQ A3151U2A1NZRQE A3151U2A1SZRQE A421122A1NZRQ A3151U2A8SZRQ A216132G2SZNQE A3151U2A1SZRQ A3141U2Y2NZNQ