

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



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

MOUNTING NUT: Zinc alloy.

DRESS NUT: Brass, nickel plated.

LOCKING RING: 6/6 nylon (UL 94V-2).

TERMINAL SEAL: Epoxy.

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

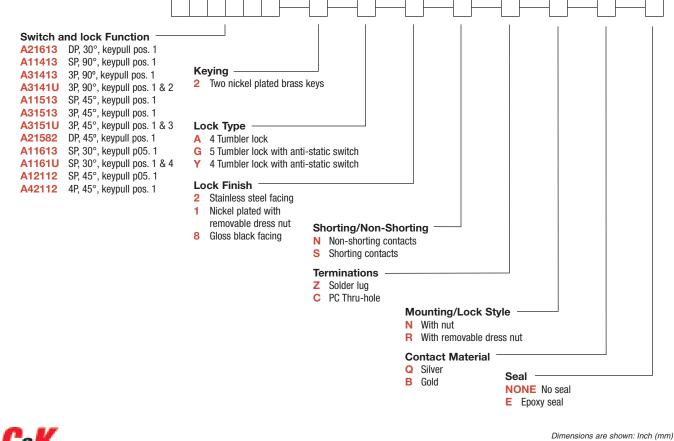
NOTE: Specifications and materials listed above are for switchlocks with standard options. For information on specific and custom switchlocks, consult Customer Service Center.

Build-A-Switch

Μ

witchlock

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages M-35 through M-38. For additional options not shown in catalog, consult Customer Service Center.





SWITCH AND LOCK FUNCTION

		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	- 90
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	50
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°

LEGEND

• = Detent Positions (30°, 45° or 90°)

O = Key pull possible in these positions.

۲ = 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 ${}_{\otimes}$ ${}^{\otimes}$ with all options when ordered with 'Q' contact material. AX14 models not available with 'S' shorting contacts.

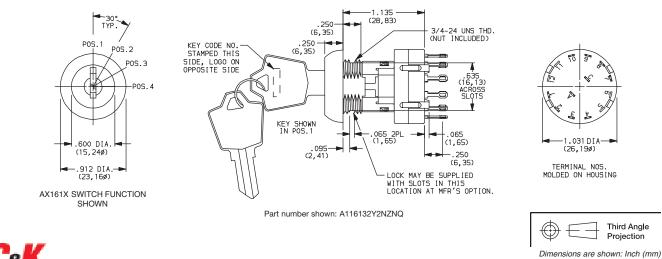


3P MODEL

4P MODEL

SP MODEL (omit terminals B, C & D) DP MODEL (omit terminals B & D)

Terminal numbers molded on housing bottom.



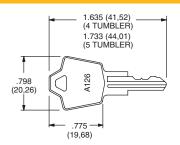


Specifications and dimensions subject to change

KEYING MANAGE

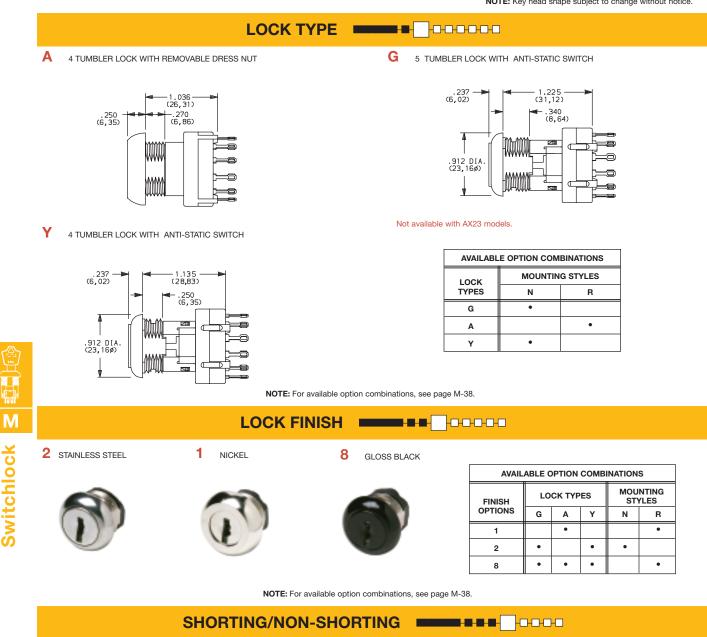
OPTION	KEYING OPTIONS	CODE NO.	CODE NO.
CODE		ON KEY	ON LOCK
2	2 NICKEL PLATED BRASS KEYS	YES	NO

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.



Ν NON-SHORTING CONTACTS (break-before-make) S SHORTING CONTACTS (make-before-break)

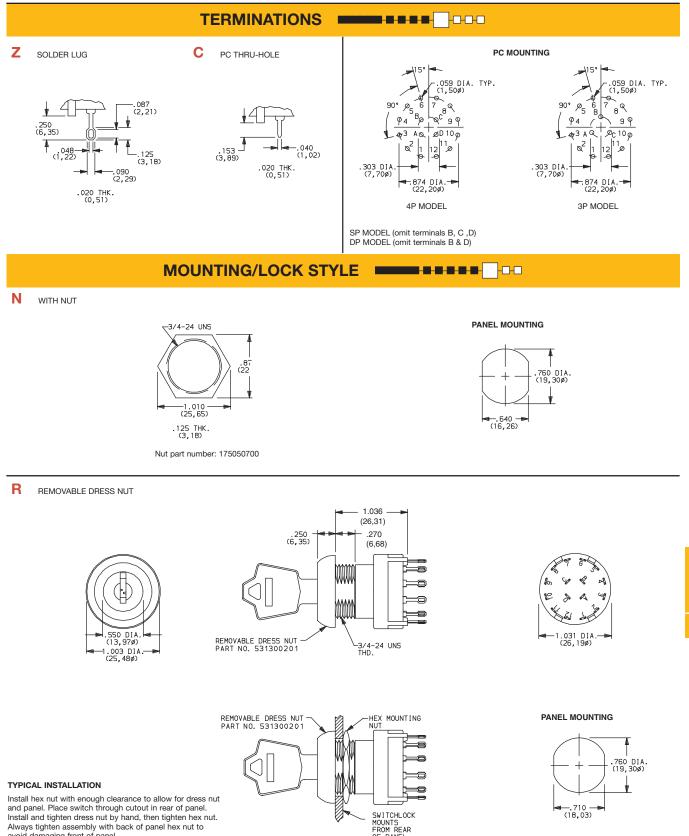
Not available with AX14 models.



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



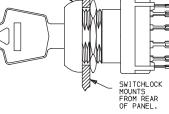
Switchlock Z



Third Angle Ŵ Projection

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

avoid damaging front of panel.



www.ck-components.com

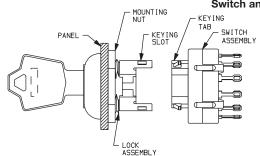


MOUNTING/LOCK STYLE

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.			

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



Switch and Lock Assembly Instructions

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.	

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

STATIONARY CONTACTS & TERMINALS: Brass, with gold plate over nickel plate. ² MOVABLE CONTACT: Coin silver, silver plated. CTATIONARY CONTACTS & TERMINAL C. Brass, silver plated (standard with silver)

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 R at all options when ordered with 'Q' contact material.



E EPOXY SEAL

075 MAX.

AVAILABLE HARDWARE



Switchlock **B**

PART NO. (ONE KEY)

115140126

Material: Brass Finish: Nickel plate

CeK

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

115441001

Material: Brass Finish: Nickel plate





www.ck-components.com

Specifications and dimensions subject to change

M-38