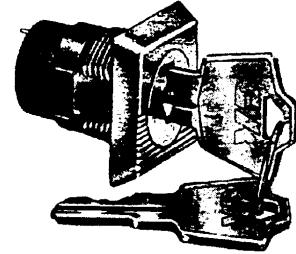
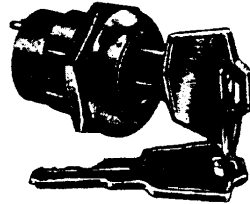
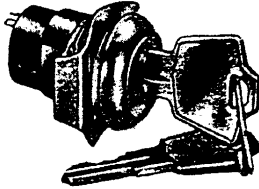




Y Series

4 & 5 Tumbler Switchlocks

A



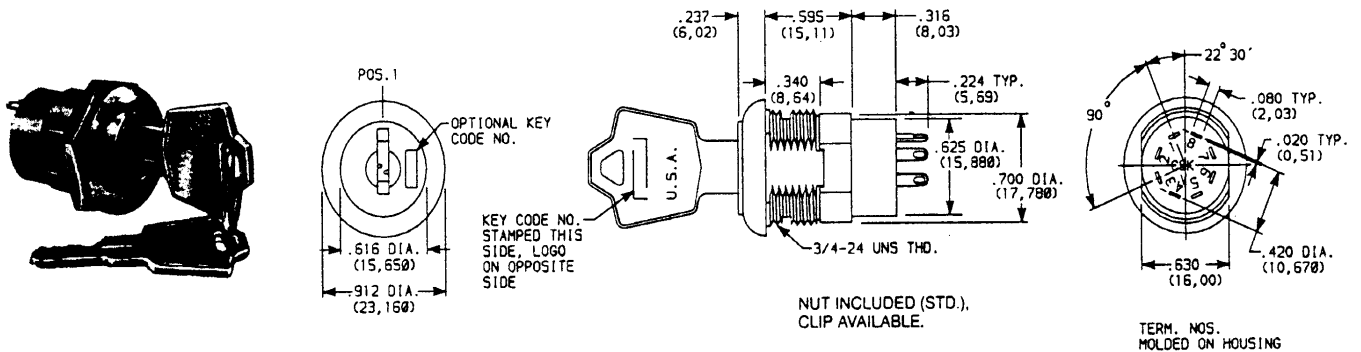
models available, see page A-51.

Easy Build-A-Switch:

Below is a complete listing of available options for Y SERIES 4 & 5 TUMBLER SWITCHLOCKS. Build-A-Switch allows you to mix and match options to create the switch you need—simply select desired option from each category. Switchlocks with standard options are shown on page A-45; all available options are shown and described on pages A-45 thru A-52. When building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Complete HOW TO ORDER information is at the end of this section, page A-52.

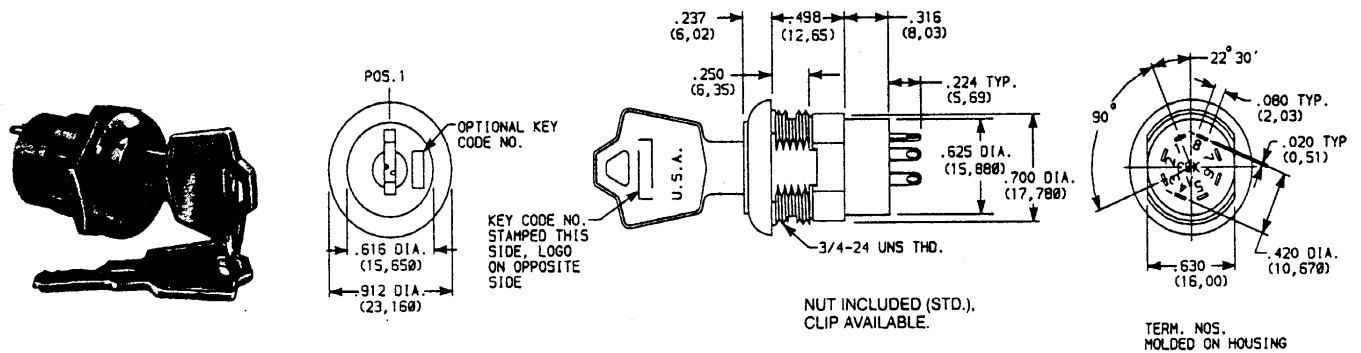
SWITCH AND LOCK FUNCTION	KEYING	LOCK TYPE	LOCK FINISH	TERMINATIONS	MOUNTING STYLE	CONTACT MATERIAL	SEAL	KEY COLOR
SPDT			Stainless Steel		Panel Mount	Silver	None	Black
Y10013	2	A	1	01	D	B	(NONE)	(NONE)
Y20013	6	B	2	02	N	Q	E	1
Y1001C	T	C	4	03	R	G	J	2
Y2001C	Y	N	8	07	L		P	3
Y1001U		P	F	WC	S			T
Y2001U		R						
Y10082								
Y20082								
Y100AA								
Y200AA								
Y100AB								
Y10113								
Y20113								
Y1011C								
Y2011C								
Y1011U								
Y2011U								
Y14173								
Y1417C								
Y1417U								
Y10812								
Y20812								
Y19073								
Y1907C								
Y1907U								
Y19001								
Y1900A								
Y1900S								

SWITCHLOCKS WITH STANDARD OPTIONS



LOCK TYPE 'B' - 5 TUMBLER
LOCK TYPE 'C' - 4 TUMBLER WITH DETENT

Part No. Shown: Y100132B203NQ



LOCK TYPE 'A' - 4 TUMBLER MOMENTARY

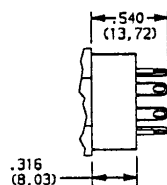
Part No. Shown: Y108122A203NQ

SWITCH AND LOCK FUNCTION

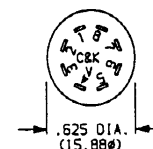
SP & DP SWITCHES								
NO. POLES	MODEL NO.	CONNECTED TERMINALS				KEY PULL POSSIBLE THESE POSITIONS	LOCK CONFIGURATION (As viewed from key end.)	INDEXING
		POS. 1	POS. 2	POS. 3	POS. 4			
SP	Y10013	8-1	1-2	2-3		Position 1		45°
DP	Y20013	8-1, 4-5	1-2, 5-6	2-3, 6-7				
SP	Y1001C	8-1	1-2	2-3		Position 3		
DP	Y2001C	8-1, 4-5	1-2, 5-6	2-3, 6-7				
SP	Y1001U	8-1	1-2	2-3		Positions 1 & 3		
DP	Y2001U	8-1, 4-5	1-2, 5-6	2-3, 6-7				

LEGEND

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



TERMINAL NUMBERS



Terminal numbers molded on bottom of housing.

NOTE: 3 position momentary models available, consult factory.

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

A

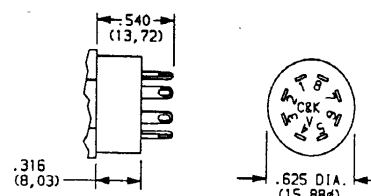
SWITCH AND LOCK FUNCTION

SP & DP SWITCHES								
NO. POLES	MODEL NO.	CONNECTED TERMINALS				KEY PULL POSSIBLE THESE POSITIONS	LOCK CONFIGURATION (As viewed from key end.)	INDEXING
		POS. 1	POS. 2	POS. 3	POS. 4			
SP DP	Y10082 Y20082	8-1 8-1, 4-5	1-2 1-2, 5-6	7-8 7-8, 3-4		Position 1		45°
SP DP	Y100AA Y200AA	8-1 8-1, 4-5	1-2 1-2, 5-6	7-8 7-8, 3-4		Positions 1, 2 & 3		
SP	Y100AB	8-1	1-2	2-3	3-4	Positions 1, 2, 3 & 4		
SP DP	Y10113 Y20113	8-1 8-1, 4-5	1-3 1-3, 5-7			Position 1		90°
SP DP	Y1011C Y2011C	8-1 8-1, 4-5	1-3 1-3, 5-7			Position 2		
SP DP	Y1011U Y2011U	8-1 8-1, 4-5	1-3 1-3, 5-7			Positions 1 & 2		
SP	Y14173	7-1	1-3	6-7		Position 1		
SP	Y1417C	7-1	1-3	6-7		Positions 2 & 3		
SP	Y1417U	7-1	1-3	6-7		Positions 1, 2 & 3		
SP & DP MOMENTARY SWITCHES								
NO. POLES	MODEL NO.	CONNECTED TERMINALS				KEY PULL POSSIBLE THESE POSITIONS	LOCK CONFIGURATION (As viewed from key end.)	INDEXING
		POS. 1	POS. 2	POS. 3	POS. 4			
SP DP	Y10812 Y20812	8-1 8-1, 4-5	1-2 1-2, 5-6			Position 1		45° Momentary

LEGEND

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

TERMINAL NUMBERS

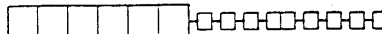


All models  with all options when ordered with 'G' or 'Q' contact material.

Terminal numbers molded on bottom of housing.

NOTE: 3 position momentary models available, consult factory.

SWITCH AND LOCK FUNCTION



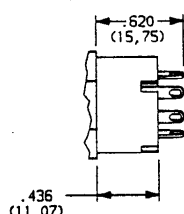
A

SP SWITCHES WITH COMMON								
NO. POLES	MODEL NO.	CONNECTED TERMINALS				KEY PULL POSSIBLE THESE POSITIONS	LOCK CONFIGURATION (As viewed from key end.)	INDEXING
		POS. 1	POS. 2	POS. 3	POS. 4			
SP	Y19073	C-1	C-2	C-4		Position 1		90°
	Y1907C					Positions 2 & 3		
	Y1907U					Positions 1, 2 & 3		
	Y19001	C-1	C-2	C-3	C-4	Positions 1 & 3		
	Y1900A					Positions 2 & 4		
	Y1900S					Positions 1, 2, 3 & 4		

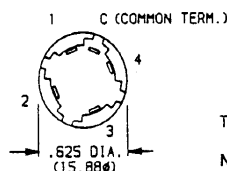
LEGEND

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

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



TERMINAL NUMBERS



Terminal numbers marked on insulator.

NOTE: Epoxy seal not available. Removable dress nut not available with Y1900A models.

AVAILABLE OPTION COMBINATIONS

AVAILABLE OPTION COMBINATIONS																	
MODELS	LOCK TYPES						TERMINATIONS					MOUNTING/LOCK STYLES					
	A	B	C	N	P	R	01	02	03	07	WC	D	L	N	R	S	T
YX00-13		•	•		•		•	•	•		•	•		•	•	•	•
YX00-1C		•	•		•		•	•	•		•	•		•	•	•	•
YX00-1U		•	•		•	•	•	•	•		•	•	•	•	•	•	•
YX00-82		•	•		•	•	•	•	•		•	•		•	•	•	•
YX00-AX			•			•	•	•	•		•	•		•	•	•	•
YX01-13		•	•		•	•	•	•	•		•	•		•	•	•	•
YX01-1C		•	•		•	•	•	•	•		•	•		•	•	•	•
YX01-1U		•	•		•	•	•	•	•		•	•	•	•	•	•	•
Y141-XX		•	•		•	•	•	•	•		•	•		•	•	•	•
YX08-12	•	•		•			•	•	•		•	•		•	•	•	•
Y190-XX		•	•		•	•		•		•	•	•		•	•	•	•

A

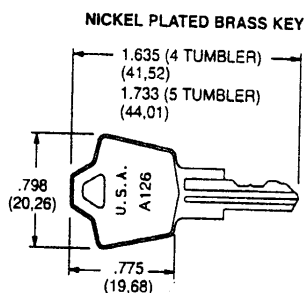
KEYING

KEYING

KEY COLOR

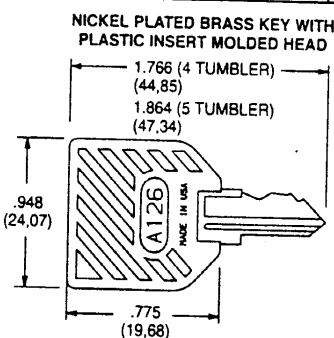
OPTION CODE	KEY OPTIONS	CODE NO. ON KEY	CODE NO. ON LOCK
2	(STD.) 2 NICKEL PLATED BRASS KEYS	YES	NO
6	2 NICKEL PLATED BRASS KEYS	YES	YES

OPTION CODE	KEY OPTIONS	CODE NO. ON KEY	CODE NO. ON LOCK
T	1 NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED HEAD AND 1 NICKEL PLATED BRASS KEY	YES	NO
Y		YES	YES



KEY COLORS

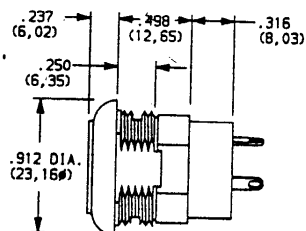
OPTION CODE	KEY COLOR
(NONE)	NICKEL PLATED BRASS
1	WHITE
2	BLACK
3	RED
T	BEIGE



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

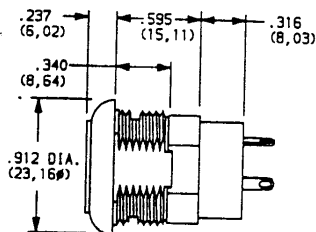
LOCK TYPE

A 4 TUMBLER LOCK (MOMENTARY MODELS ONLY)



B 5 TUMBLER LOCK

C 4 TUMBLER LOCK WITH DETENT

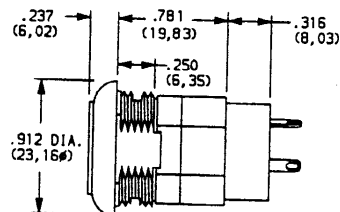


SHORT ANTI-STATIC LOCK TYPES

U.S. Pat. No. 4,639,562

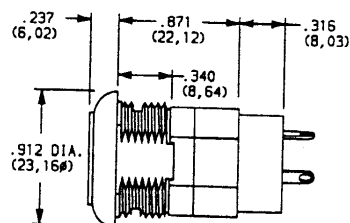
Exceeds 20 KV DC static resistance @ sea level, lock body to terminals.

N 4 TUMBLER LOCK WITH SHORT ANTI-STATIC SWITCH (MOMENTARY MODELS ONLY)



P 5 TUMBLER LOCK WITH SHORT ANTI-STATIC SWITCH

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



AVAILABLE OPTION COMBINATIONS

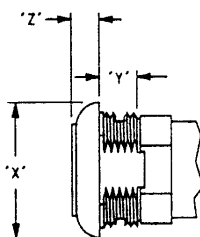
LOCK TYPES	MOUNTING/LOCK STYLES					
	D	N	R	L	S	T
A	•	•	•		•	•
B	•	•	•		•	•
C	•	•	•	•	•	•
N	•	•	•		•	•
P	•	•	•		•	•
R	•	•	•	•	•	•

LOCK FINISH

1 NICKEL 2 (STD.) STAINLESS STEEL FACING 4 POLISHED NICKEL 8 GLOSS BLACK FACING F POLISHED NICKEL FACING



AVAILABLE OPTION COMBINATIONS						
FINISH OPTIONS	MOUNTING/LOCK STYLES					
	D	N	R	L	S	T
1			•	•	•	•
2	•	•				
4			•	•	•	•
8	•	•	•	•	•	•
F	•	•				

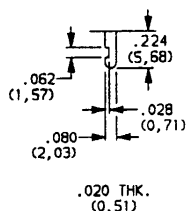


LOCK DIMENSIONS				
FINISH OPTIONS	DIMENSIONS			LOCK TYPES
	X	Y	Z	
2, 8, F	.912	.250	.237	A, N
	.912	.340	.237	B, C, P, R

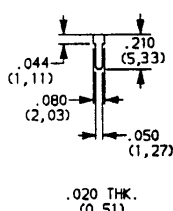
TERMINATIONS

ALL MODELS EXCEPT Y190

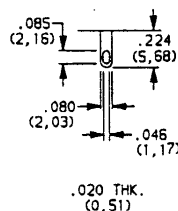
01



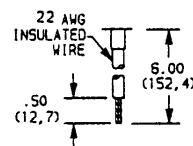
02



03 (STD.)



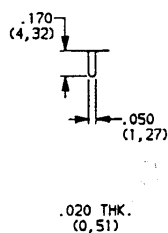
WC



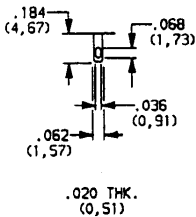
Black wire standard, other colors and lengths available, consult factory.

Y190 MODEL ONLY

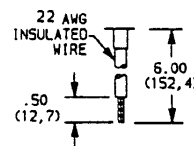
02



07

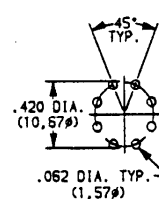


WC



Black wire standard, other colors and lengths available, consult factory.

PC MOUNTING





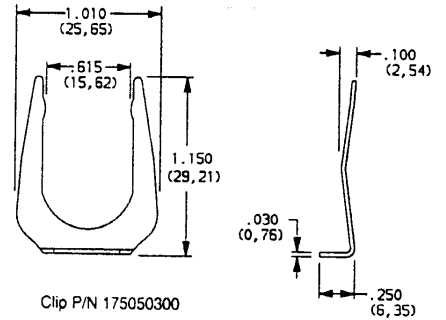
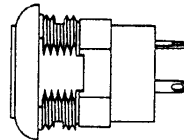
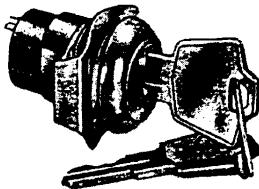
Y Series

4 & 5 Tumbler Switchlocks

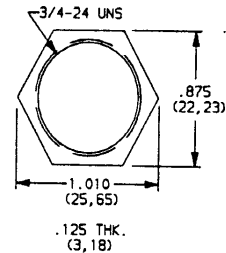
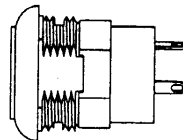
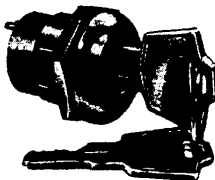
A

MOUNTING/LOCK STYLE

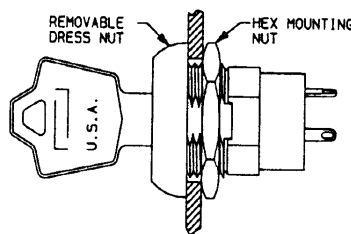
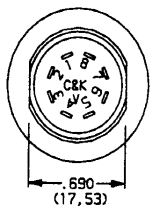
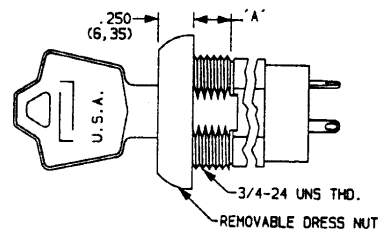
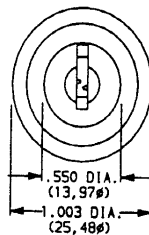
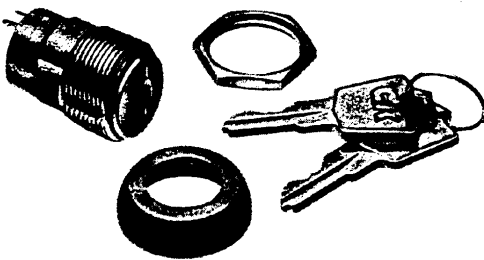
D WITH CLIP *



N (STD.) WITH NUT *



R REMOVABLE DRESS NUT *

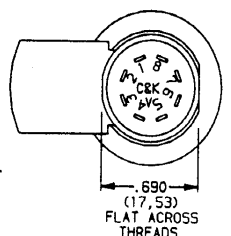
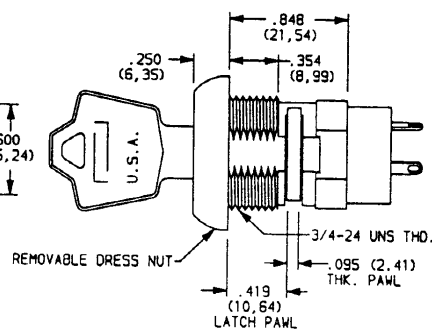
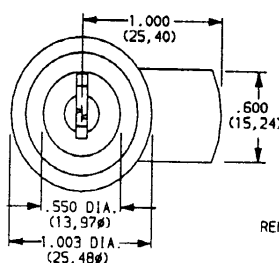
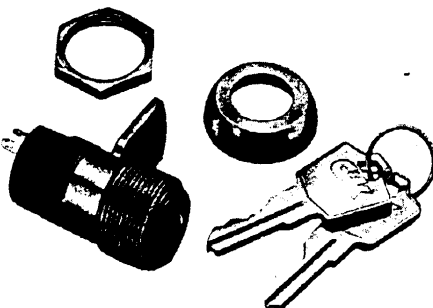


LOCK DIMENSIONS	
LOCK TYPES	DIMENSIONS
	'A'
A, N	.270 (6, 68)
B, C, P, R	.360 (9, 14)

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. For panel mounting information, see page A-51.

L REMOVABLE DRESS NUT WITH LATCH PAWL *



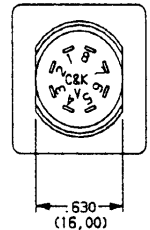
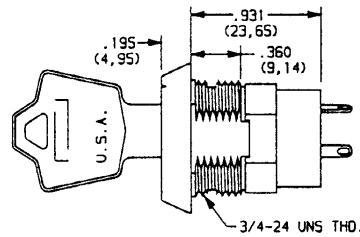
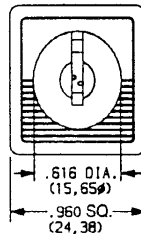
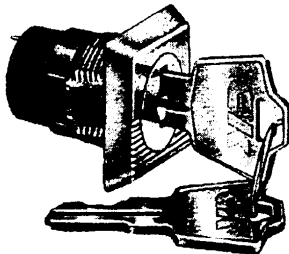
* See MOUNTING INFORMATION (ALL MODELS) on page A-51.

Key and latch pawl shown in pos. 1.

MOUNTING/LOCK STYLE

S SQUARE FACING WITH NUT *

T SQUARE FACING WITH MOUNTING CLIP *



* See MOUNTING INFORMATION (ALL MODELS) below.

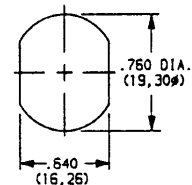
MOUNTING INFORMATION (ALL MODELS)

MOUNTING STYLES	PANEL THICKNESS	
	A, N LOCK TYPES	B, C, P, R LOCK TYPES
D	.065 - .085 (1, 65 - 2, 16)	
N	.105 (2, 67) max.	.195 (4, 95) max.
L	.215 (5, 46) max.	
R	.125 (3, 18) max.	.215 (5, 46) max.
S	.215 (5, 46) max.	
T	.085 - .105 (2, 16 - 2, 67)	

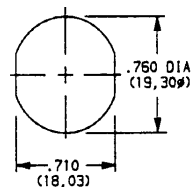
AVAILABLE OPTION COMBINATIONS

MOUNTING STYLES	LOCK FINISHES					LOCK TYPES					
	1	2	4	8	F	A	B	C	N	P	R
D		•		•	•	•	•	•	•	•	•
N		•		•	•	•	•	•	•	•	•
R	•		•	•		•	•	•	•	•	•
L	•		•	•				•			•
S	•		•	•		•	•	•	•	•	•
T	•		•	•		•	•	•	•	•	•

PANEL MOUNTING



For models with 'N, D, S or T' mounting styles.



For models with 'R' or 'L' mounting style.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
B	GOLD ¹	LOW LEVEL / DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	SILVER ²	POWER	4 AMPS @ 125 V AC OR 28 V DC; 2 AMPS @ 250 V AC (UL / CSA).
G	GOLD OVER SILVER ³	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).

CONTACT MATERIAL / APPLICATION RECOMMENDATIONS — SEE CHART, PAGE VIII.

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

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.
 All models with all options when ordered with 'G' or 'Q' contact material.



Y Series

4 & 5 Tumbler Switchlocks

A

SEAL

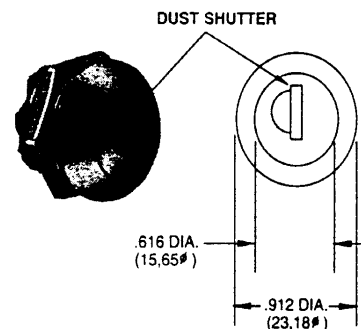
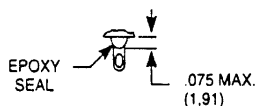
(NONE) (STD.)

E EPOXY SEAL

J DUST SHUTTER & EPOXY SEAL

P DUST SHUTTER

NO SEAL



Standard with all termination options.

Only available with YX0X13, YX0X1U and YX0082 models, 'C' lock type, '2' finish and 'D' or 'N' mounting/lock style options.

HOW TO ORDER

All available Y SERIES 4 & 5 TUMBLER SWITCHLOCK options are listed on page A-44, and are described on pages A-45 thru A-52. Switchlocks with standard options are shown on page A-45. When selecting options and building a part number, some ordering format boxes may not be filled. Dashes, hyphens or spaces in the part number are not significant, and are shown for clarity only. Hardware and accessories are available separately, see catalog section H.

SPECIFICATIONS

CONTACT RATING: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA) ('Q' contact material).

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

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

INSULATION RESISTANCE: 10^9 ohms min.

DIELECTRIC STRENGTH: 1,000 V RMS min @ sea level.

INDEXING: 45° or 90°, 2-4 positions. Other functions available, consult factory.

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 (standard). Other finishes available. 4 and 5 tumbler locks.

KEYS: Two nickel plated brass keys, with code number (standard).

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

CONTACTS AND TERMINALS: Copper, silver plated ('Q' contact material).

MOUNTING NUT: Zinc alloy or steel, nickel or bright zinc plated.

MOUNTING CLIP: Steel, nickel or bright zinc plated.

DRESS NUT: Brass, nickel plated.

TERMINAL SEAL: Epoxy.

NOTE: Specifications and materials listed above are general specifications for switchlocks with standard options. For information on specific and custom switchlocks, consult factory.