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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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BY Series

4 Tumbler Value Added Security Switchlocks



Features/Benefits

- Anti-static switch
- Removable lock core
- Latch pawl option
- Snap-together assembly

Typical Applications

- Computers
- Point-of-sale terminals
- Postal equipment



Specifications

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA). Low level models with gold plating available. See page M-26 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°, 2-3 positions. Other functions available, consult Customer Service Center.

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

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.

Materials

LOCK: 4 tumbler lock with positive detent. Shell-zinc alloy; Core-ABS plastic, black, std.; Facing-ABS plastic, black.

KEYS: Two nickel plated brass keys with code number. Plastic key cover, black.

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

CONTACTS & TERMINALS: Q contact material: Copper, silver plated. See page L-26 for additional contact materials.

MOUNTING NUT: Zinc alloy.

MOUNTING CLIP: Steel, zinc plated.

TERMINAL SEAL: Epoxy.

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-23 through L-26. For additional options not shown in catalog, consult Customer Service Center.



Switch and Lock Function

- BY011U** SP, 90°, Index, keypull pos. 1 & 2
- BY211U** DP, 90° Index, keypull pos. 1 & 2
- BY01AF** SP, 45° Index, keypull pos. 1, 2 & 3
- BY21AF** DP, 45° Index, keypull pos. 1, 2 & 3

Keying

- J** One plastic round head key and one nickel plated key
- 2** Two nickel plated keys

Lock Type

- C** 4 Tumbler lock with detent

Terminations

- 03** Solder lug with hole
- WC** Wire lead

Mounting Style

- N** With nut
- D** With clip
- L** With latch pawl and nut
- M** With latch pawl and clip

Contact Material

- Q** Silver
- B** Gold
- G** Gold over silver

Lock Color

- 2** Black

Key Color

- 2** Black
- NONE** Nickel plated brass



Switchlock



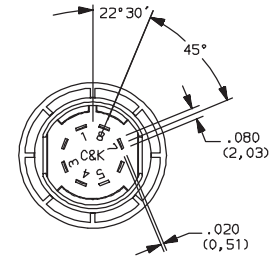
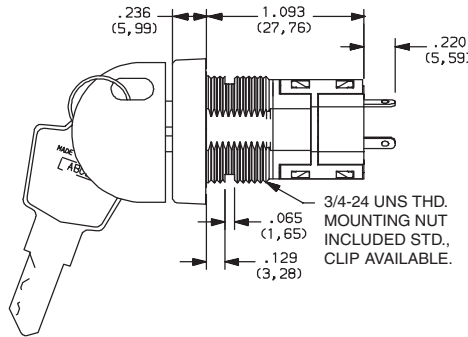
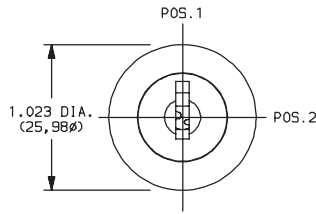
BY Series 4 Tumbler Value Added Security Switchlocks

SWITCH AND LOCK FUNCTION



| | NO. POLES | MODEL NO. | CONNECTED TERMINALS | | | KEY PULL POSITIONS | LOCK CONFIGURATION | INDEXING |
|--------------|-----------|--------------------------------|---------------------|-----------------|-----------------|--------------------|--------------------|----------|
| | | | POS. 1 | POS. 2 | POS. 3 | | | |
| WITHOUT PAWL | SP DP | BY011U BY211U | 8-1 8-1, 4-5 | 1-3 1-3, 5-7 | | Positions 1 & 2 | | 90° |
| | SP DP | BY01AF BY21AF | 8-1 8-1, 4-5 | 1-2 1-2, 5-6 | 2-3 2-3, 3-4 | Positions 1, 2 & 3 | | 45° |

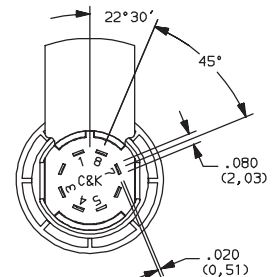
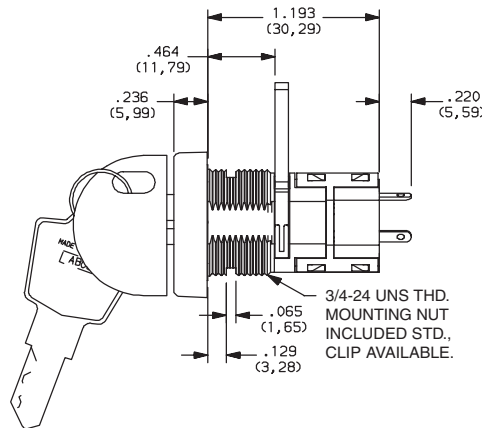
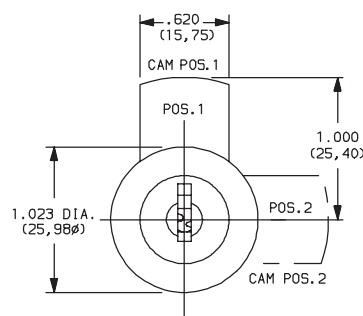
Without Pawl



Part number shown: BY011UJC03NQ22

| | | | | | | | | |
|-----------|----------|--------------------------------|-----------------|-----------------|--|-----------------|--|-----|
| WITH PAWL | SP DP | BY011U BY211U | 6-7 6-7, 2-3 | 7-1 7-1, 3-5 | | Positions 1 & 2 | | 90° |
|-----------|----------|--------------------------------|-----------------|-----------------|--|-----------------|--|-----|

With Pawl



90 Indexing-2 positions with pawl
Pos. 1: SP: 6-7, DP: 6-7, 2-3;
Pos. 2: SP: 7-1, DP: 7-1, 3-5

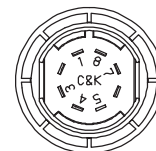
Part number shown: BY011UJC03LQ22

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 molded on housing.



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

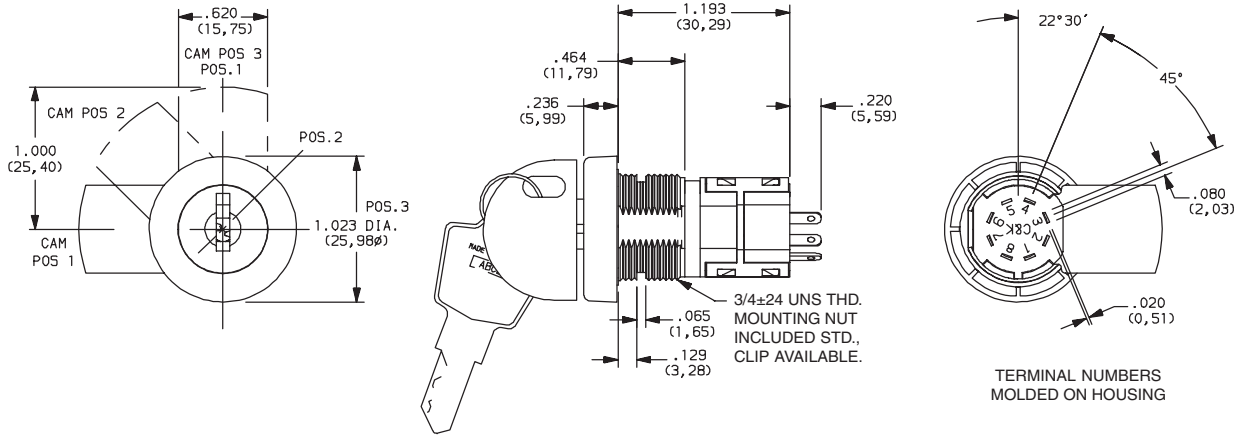


BY Series 4 Tumbler Value Added Security Switchlocks

SWITCH AND LOCK FUNCTION

| | NO. POLES | MODEL NO. | CONNECTED TERMINALS | | | KEY PULL POSITIONS | LOCK CONFIGURATION | INDEXING |
|-----------|-----------|--------------------------------|---------------------|-----------------|-----------------|--------------------|--------------------|----------|
| | | | POS. 1 | POS. 2 | POS. 3 | | | |
| WITH PAWL | SP DP | BY01AF BY21AF | 8-1 8-1, 4-5 | 1-2 1-2, 5-6 | 7-8 7-8, 3-4 | Positions 1, 2 & 3 | | 45° |

With Pawl



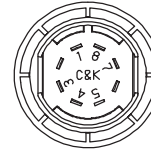
Part number shown: BY01AFJC03LQ22

LEGEND

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

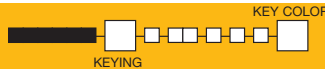
All models with all options when ordered with 'G' or 'Q' contact material.

TERMINAL NUMBERS



Terminal numbers molded on housing.

KEYING

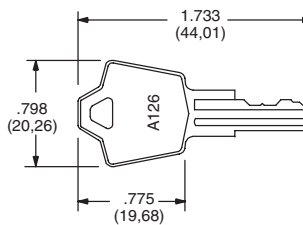


| OPTION CODE | KEYING OPTIONS | CODE NO. ON KEY | CODE NO. ON LOCK |
|-------------|--|-----------------|------------------|
| J | 1 PLASTIC ROUND HEAD KEY, 1 NICKEL PLATED BRASS KEY | YES | NO |
| 2 | 2 NICKEL PLATED BRASS KEYS | YES | NO |

NOTE: Keys available separately, see page M-26.

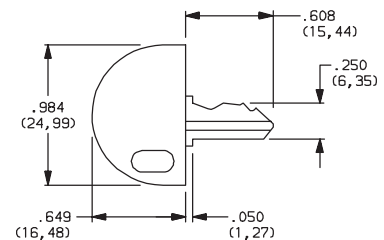
| OPTION CODE | KEY COLOR |
|-------------|---------------------|
| NONE | NICKEL PLATED BRASS |
| 2 | BLACK |

NICKEL PLATED BRASS KEY



Key part number:
115140126

NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED ROUND HEAD



Key part number:
115C1126021

NOTE: Key head shape subject to change without notice.



Third Angle
Projection

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

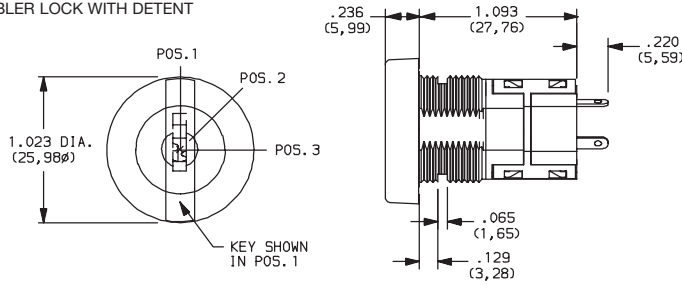


Switchlock

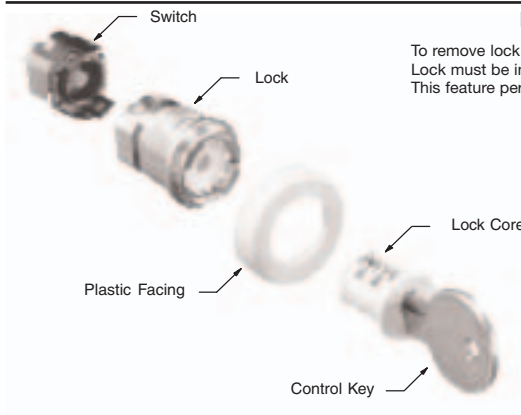
BY Series 4 Tumbler Value Added Security Switchlocks

LOCK TYPE

C 4 TUMBLER LOCK WITH DETENT



| OPTION CODE | LOCK COLOR |
|-------------|------------|
| 2 | BLACK |

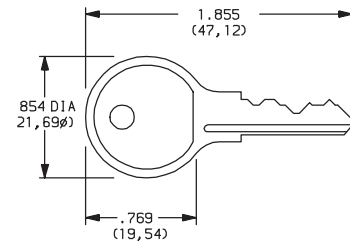


Lock Core Removal Instructions

To remove lock core, insert round-headed control key and pull. Lock must be in position 2 (90° indexing), position 3 (45° indexing). This feature permits changing key codes.

BRASS CONTROL KEY

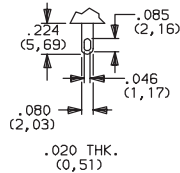
(Removes lock core)



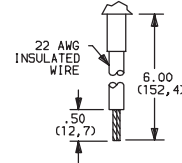
Control key available separately, part number: 11630CKBYST

TERMINATIONS

03 SOLDER LUG WITH HOLE



WC WIRE LEAD

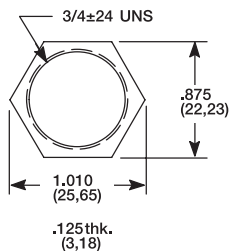


Black wire standard. other colors and lengths available, consult Customer Service Center. UL style 1015.

LOCK TYPE

N WITH NUT

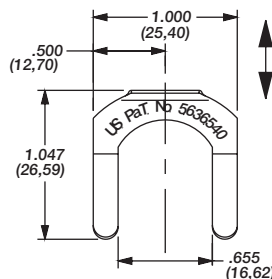
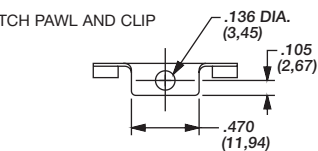
L LATCH PAWL AND NUT



Nut part number: 175050700

D WITH CLIP

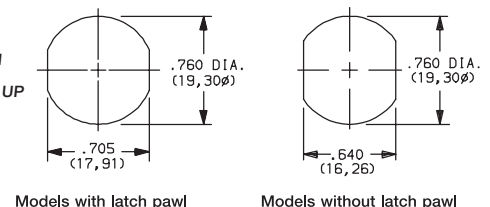
M LATCH PAWL AND CLIP



Clip part number: 906B00000

| OPTION CODE | MOUNTING STYLE | PANEL THICKNESS |
|-------------|----------------|-----------------------|
| N, L | WITH NUT | .085-.105 (2,16-2,67) |
| D, M | WITH CLIP | .085-.105 (2,16-2,67) |

PANEL MOUNTING



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



Switchlock

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CONTACT MATERIAL

| OPTION CODE | RoHS COMPLIANT* | RoHS COMPATIBLE* | CONTACT AND TERMINAL MATERIAL | RATING | |
|-------------|-----------------|------------------|-------------------------------|--------------------------------|--|
| | | | | | |
| Q | YES | YES | SILVER ² | POWER | 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA). |
| B | YES | YES | GOLD ¹ | LOW LEVEL/DRY CIRCUIT | 0.4 VA MAX. @ 20 V AC or DC MAX |
| G | YES | YES | GOLD 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) |

* 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 (standard with all termination options).

³ CONTACTS & TERMINALS: Copper, with gold plate over silver plate.

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

NOTE: 'G' contact material is equivalent to both 'B' and 'Q' contact materials.

AVAILABLE HARDWARE



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



Key Code: A126
PART NO. (ONE KEY)
115C1126021 BLACK
Material: Brass
 Finish: Nickel plate
 6/6 Nylon insert molded head

Control key (removes lock core)



Key Code: 3434
PART NO. (ONE KEY)
11630CKBYST
Material: Brass
 Finish: None



Switchlock



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