C&K 8060 Series



Features/Benefits

- Long travel
- Available with LED
- Long life contact design
- Epoxy terminial seal compatabile with bottom wash cleaning
- RoHS compliant models available

Materials

Typical Applications

- Instrumentation
- Computers and peripherals
- Telecommunications and networking equipment



Specifications

- CONTACT RATING: Q contact material: 6 AMPS @ 120 V AC or 28 V DC; 3 AMPS @ 250 V AC. See page A-57 for additional ratings.
- ELECTRICAL LIFE: 50,000 make-and-break cycles at full load. 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 65°C

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

CAP INSTALLATION FORCE: 10 lbs. maximum permissible.

NOTE: Any models supplied with P, R, S, Q, B or G contact material are RoHS compliant For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center. CASE: Glass filled nylon 6/6 or diallyl phthalate (DAP), flame retardant (UL 94V-0).

PLUNGER: S, S1, S2 Options: Glass filled nylon or glass filled polyester (PBT) (UL 94V-0). L, L1 Options: Brass, nickel plated.

CAP & FRAME: Nylon, black standard.

BUSHING: Brass or zinc, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass or steel, matte-tin plated.

END CONTACTS: Q contact material: Coin silver, silver plated. See page A-57 for additional contact materials.

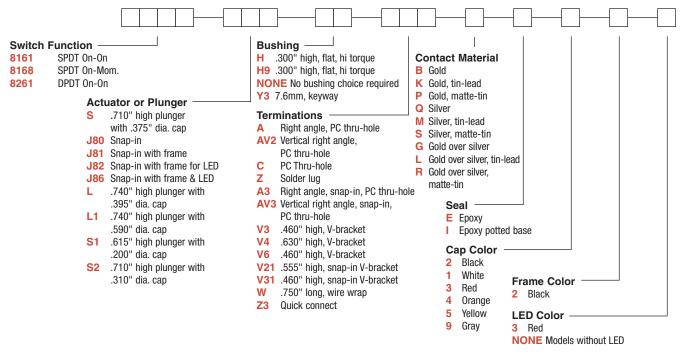
CENTER CONTACT & ALL TERMINALS: Q contact material: Copper alloy, silver plated. See page A-57 for additional contact materials.

TERMINAL SEAL: Epoxy. Refer to soldering and cleaning in Technical Data Chapter.

HARDWARE: Nut & Locking Ring: Brass, nickel plated; Lockwasher: Steel, nickel plated.

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 A-51 thru A-59. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.



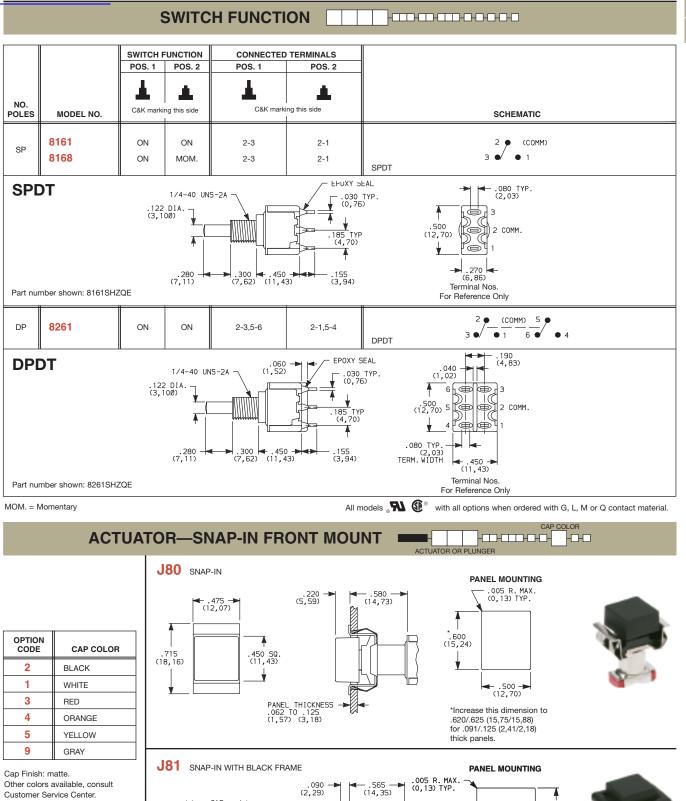


Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

A-50

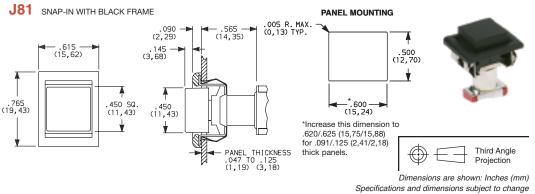
C&K 8060 Series

查询"8060"供应商 Alternate Action and Momentary Pushbutton Switches



Available with C, W, Z or Z3 terminations. **NOTE:** Caps & frames available separately, see pages A-58 and A-59.





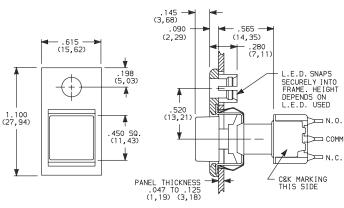
www.ittcannon.com

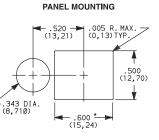
ACTUATOR—SNAP-IN FRONT MOUNT

OLOR

J82 SNAP-IN WITH BLACK FRAME FOR LED







* Increase this dimension to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18) thick panels.

Available with C, W, Z or Z3 terminations.

LED not included. For LED information, see page A-59.

NOTE: Caps & frames available separately, see pages A-58 and A-59.

Other colors available, consult Customer Service Center.

CAP COLOR		
BLACK		
WHITE		
RED		
ORANGE		
YELLOW		
GRAY		

.090 (2,29)

.145 (3,68)

- .562 -(14,27)

PANEL THICKNESS .047 TO .125 (1,19) (3,18)

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ACTUATOR—SNAP-IN FRONT MOUNT

LED COLOR CAP COLOR -ACTUATOR OR PLUNGER

> SHORT LEAD IS CATHODE ⊐ N.C.

> > сомм.

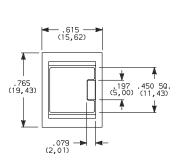
C&K MARKING ON OPPOSITE SIDE

⊐ N.O.

N.C.

J86 SNAP-IN WITH BLACK FRAME AND LED





8161J86ZQE223 SPDT

Available with C, W, Z or Z3 terminations and SPDT models only.

NOTE: Caps & frames available separately, see pages A-58 and A-59

Other colors available consult Customer Service Center.





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

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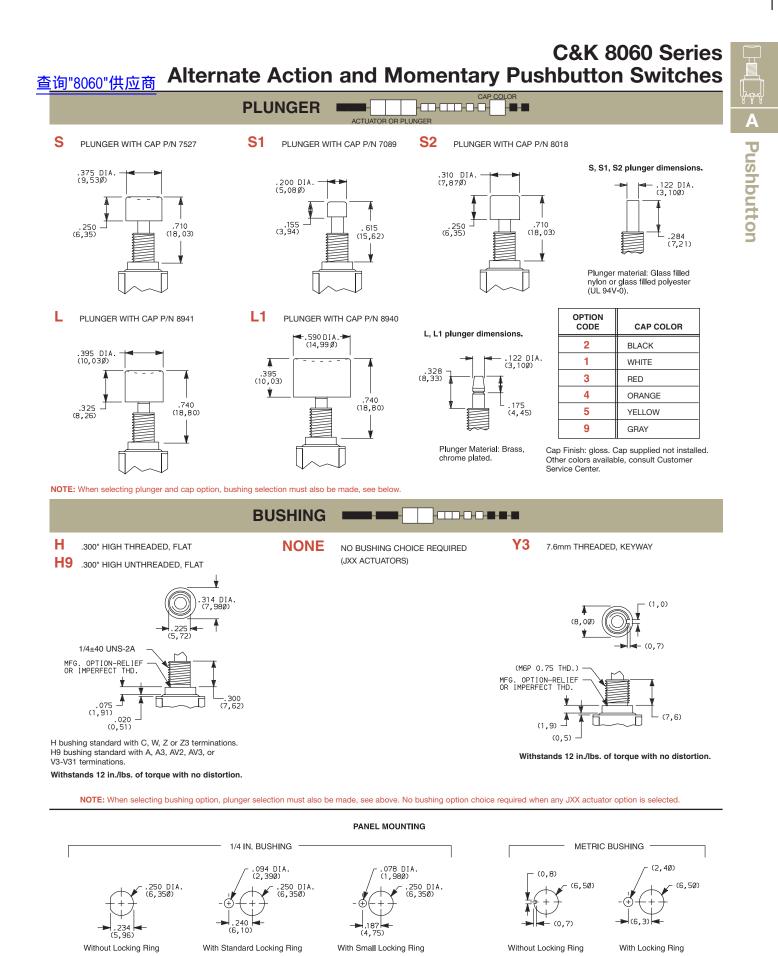
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* Increase this dimension to .620/.625 (15,75/15,88) for .091/.125 (2,31/3,18) thick panels.

OPTION CODE	LED COLOR					
3	RED					
For LED information, see page A-59.						

Third Angle

Projection

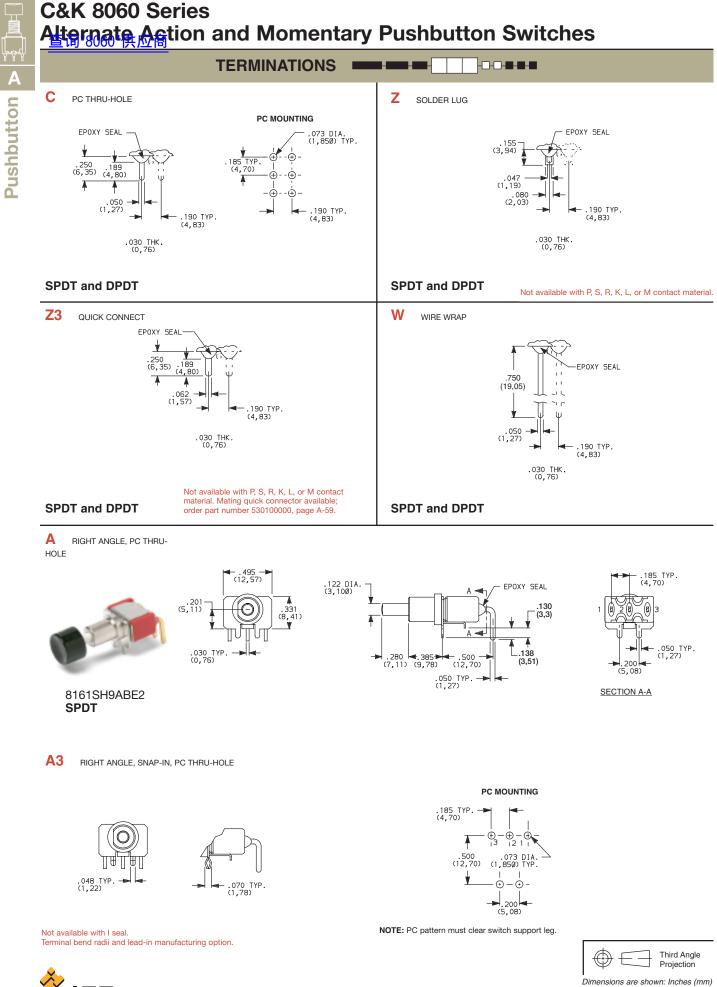


NOTE. Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Optional mounting nut and locking ring styles and finishes available, see section "Technical Data and Additional Hardware".



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

Third Angle Projection

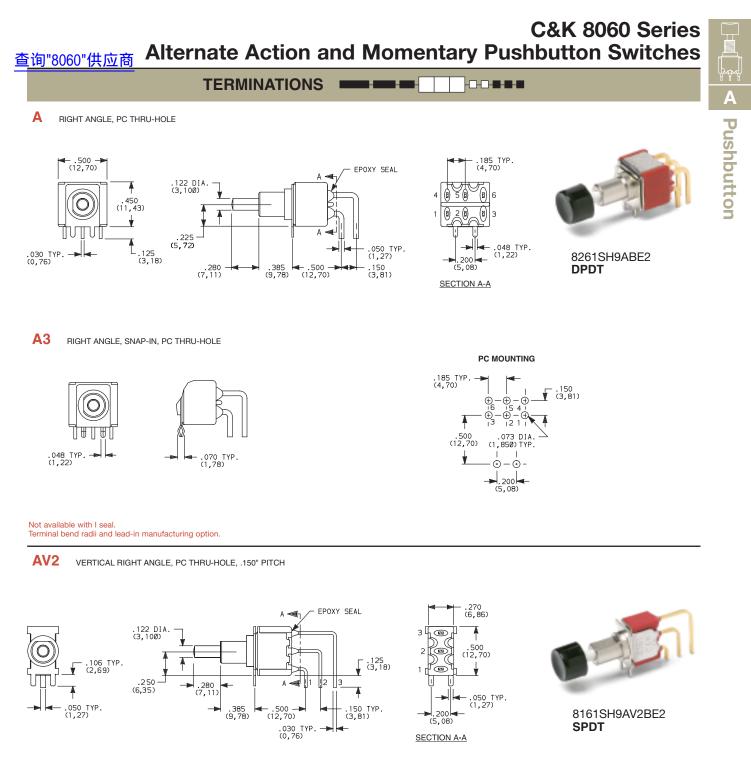


Specifications and dimensions subject to change

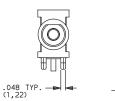
www.ittcannon.com

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AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE, .150" PITCH



.070 TYP. (1,78)

Not available with I seal. Terminal bend radii and lead-in manufacturing option.



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

Third Anale

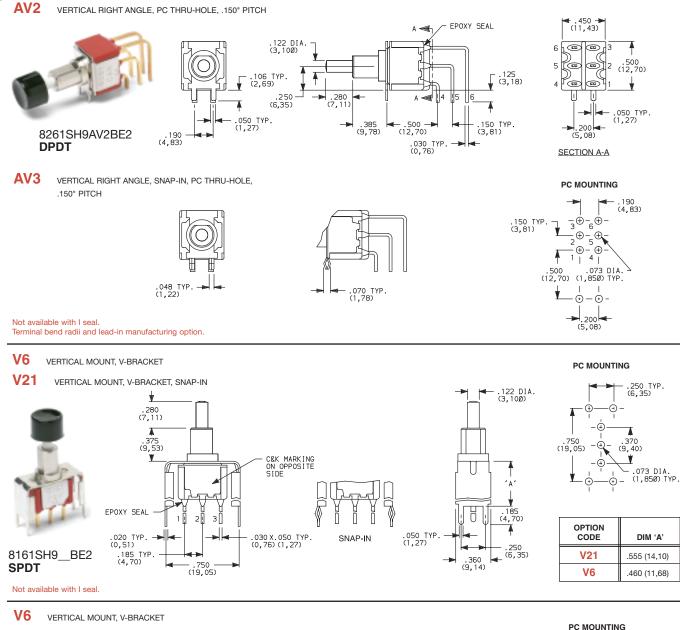
PC MOUNTING

200

(5,08)

.150 TYP (3,81)





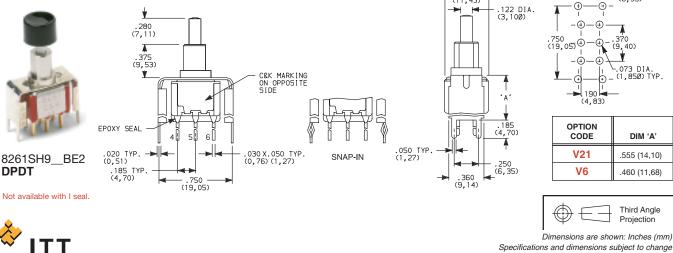
V21 VERTICAL MOUNT, V-BRACKET, SNAP-IN



ITT

DPDT

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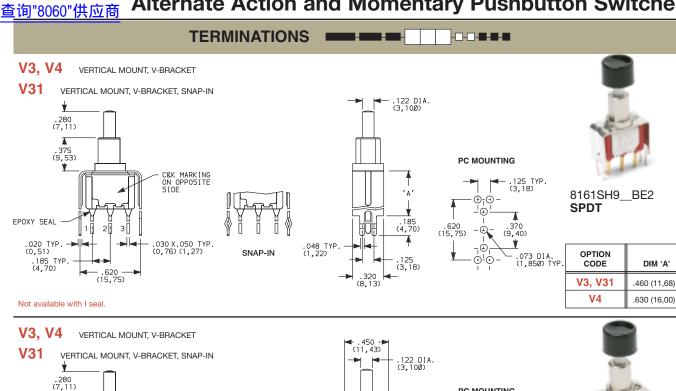


►.450 → (11,43)

Pushbutton >

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-.250 TYP. (6,35)





.320 (8,13)

.048 TYP (1,22)

SNAP-IN

OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS		
В	YES	YES		GOLD 1			
К	NO	YES	GOLD ¹	TIN-LEAD 6	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.	
Р	YES	YES		MATTE-TIN ⁷			
Q	YES	YES		SILVER 5			
М	NO	YES	SILVER 4,5	TIN-LEAD 6	POWER	6 AMPS @ 120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.	
S	YES	YES		MATTE-TIN 7			
G	YES	YES		GOLD ³		0.4 VA MAX @ 20 V AC OR DC MAX. OR	
L	NO	YES	GOLD OVER SILVER ^{2,3}	TIN-LEAD 6	LOW LEVEL/DRY CIRCUIT OR POWER	6 AMPS @ 120 V AC OR 28 V DC;	
R	YES	YES	SILVER 2,3	MATTE-TIN 7		3 AMPS @ 250 V AC.	

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

C&K MARKING ON OPPOSITE SIDE

.030 X.050 TYP. (0,76) (1,27)

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- .620 -(15,75)

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¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

² END CONTACTS: Coin silver, with gold plate over nickel plate.

³ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

⁴ END CONTACTS: Coin silver, silver plated.

⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

⁶ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

⁷ TERMINALS: Copper alloy, with matte-tin over nickel plate.



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.375 ۲.

EPOXY SEAL

.020 TYP.

.185 TYP (4,70)

Not available with I seal

NOTE: Any models supplied with P, S, R,Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

All models **N** () with all options when ordered with S, R, G, L, M or Q contact material.

PC MOUNTING

(+)-(-)--Ð À

·(+)

- (+) -

.620

.190 (4,83)

185

(4,70)

.125 (3,18)

.125 TYP. (3,18)

.370

¥

TYP

.073 DIA. (1,850)

8261SH9__BE2

DIM 'A'

460 (11,68)

.630 (16,00)

OPTION

CODE

V3, V31

V4

DPDT

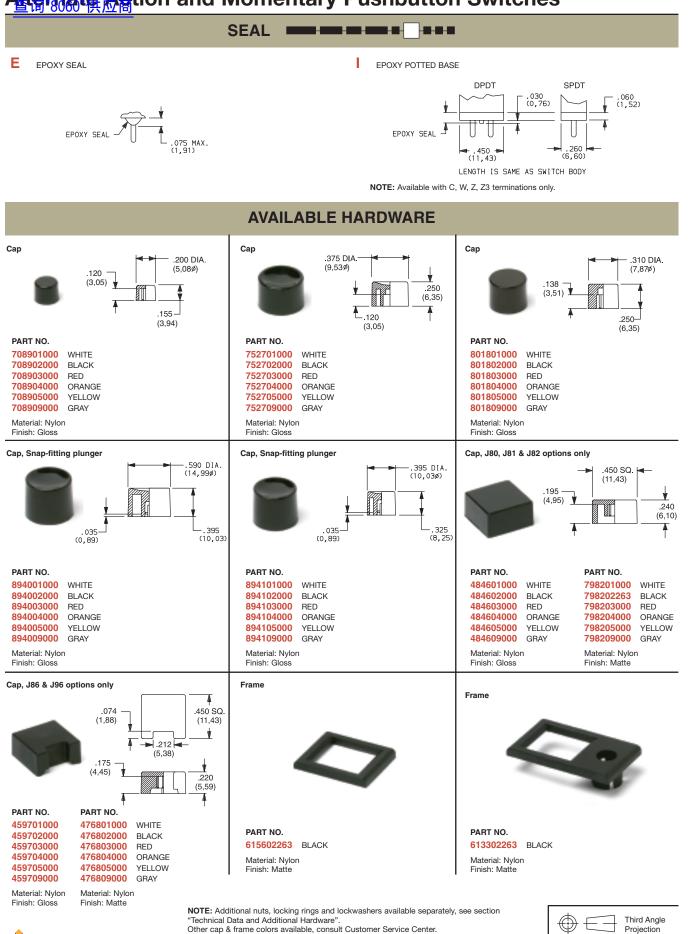
B contact material standard with all terminations except C, Z & Z3.

Q contact material standard with C, Z & Z3 terminations.

P, S, R, K, L & M contact materials not available with Z & Z3 terminations.



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



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Pushbutton >

Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

AVAILABLE HARDWARE

Fits Z3 Termination female connector

PART NO. 530100000

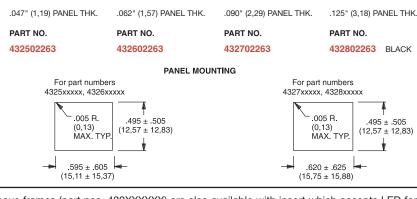


Contrada

Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon. Finish: Matte.



(12.39) ,265 (13.42) (13.42)





LED INFORMATION

SWITCHES WITH LED SUPPLIED: J86 OPTION:

Rectangular LEDs are supplied on 8060 Series pushbutton switches with J86 option. These LEDs are factory installed and are not replaceable. The following specifications apply:

			TYP.	TYP.	MAX RAT	INGS AT 25°C AMBIENT T	EMPERATURE	Flat denotes	.025 SQ.
OPTION CODE	COLOR	TYP. INTENSITY	FORWARD VOLTAGE	FORWARD CURRENT	FORWARD VOLTAGE	CONTINUOUS FORWARD CURRENT	POWER DISSIPATION	cathode200 DIA	TYP. (0,63)
6	Green	1.0 mcd		20 mA		50 mA	125 mW		
3	Red*	0.5 mcd	2.1 V	10 mA	2.5 V	30 mA	75 mW	.230 DIA . 	.030
5	Yellow	4.0 mcd		20 mA		50 mA	125 mW		.340 .340 .750 (8,64) .750

Process Information: Soldering to LED leads must be completed within 5 seconds at 500°F (260°C) maximum.

Caution: Circuit elements must limit forward current of LED to 50mA max. continuous.

* Extra-bright red LED available (typ. intensity 4.5 mcd), consult Customer Service Center.

LEDs are not supplied with J82 & J84 options. LED snaps into switch frame surrounding actuator and is wired externally.



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

Suggested LED for J82 & J84 options. Dimensions for reference only.

Third Angle Projection