P Series Low Profile Key Switches



Features/Benefits

- Low profile design
- Multi-pole and multi-position
- Panel and PCB mounting
- Variety of termination styles
- RoHS Compliant

Typical Applications

- CATV
- Low cost security devices
- Lawn equipment



Specifications

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC or 28 V DC; 2 AMPS @ 250 V AC (UL/CSA). See page L-46 for additional ratings.

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

INDEXING: 45° or 90°, 2-3 positions. Other functions available, consult Customer Service Center.

OPERATING & STORAGE TEMPERATURE: -30°C to 65°C

Materials

HOUSING: One piece, 6/6 nylon (UL94V-2), black. Finish, matte. KEY: One nickel plated brass key.

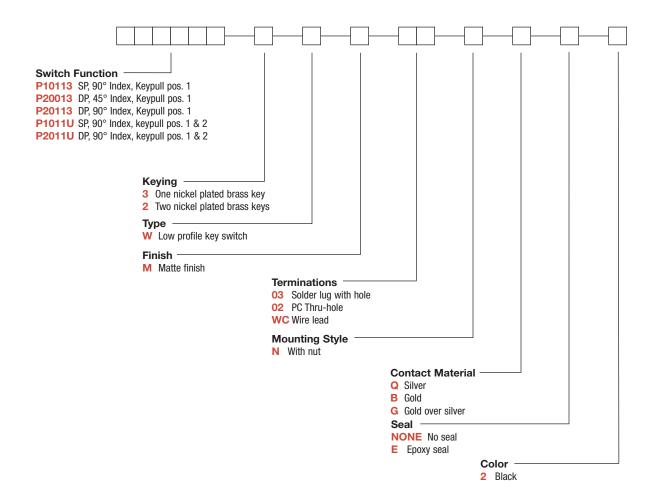
CONTACTS AND TERMINALS: Q contact material: Copper, silver plated. See page K-46 for additional contact materials. CONTACT SPRING: Music wire or stainless steel. TERMINAL SEAL: Epoxy.

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

NOTE: Specifications and materials listed above are for switches 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 K-41 thru K-42. For additional options not shown in catalog, consult Customer Service Center.





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

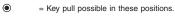
P Series Low Profile Key Switches

SWITCH FUNCTION

		CONNECTED TERMINALS (see terminal location below.)					
NO. POLES	MODEL NO.	POS.1	POS. 2	POS. 3	KEY PULL POSITIONS	SWITCH CONFIGURATION	INDEXING
DP	P20013	8-1,4-5	1-2,5-6	2-3, 6-7	Position 1	POS.1	45°
SP DP	P10113 P20113	8-1 8-1,4-5	1-3 1-3,5-7		Position 1	POS.1 ()	
SP DP	P1011U P2011U	8-1 8-1,4-5	1-3 1-3,5-7		Position 1 & 2	POS.1 @	90°

LEGEND



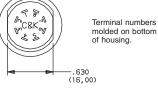


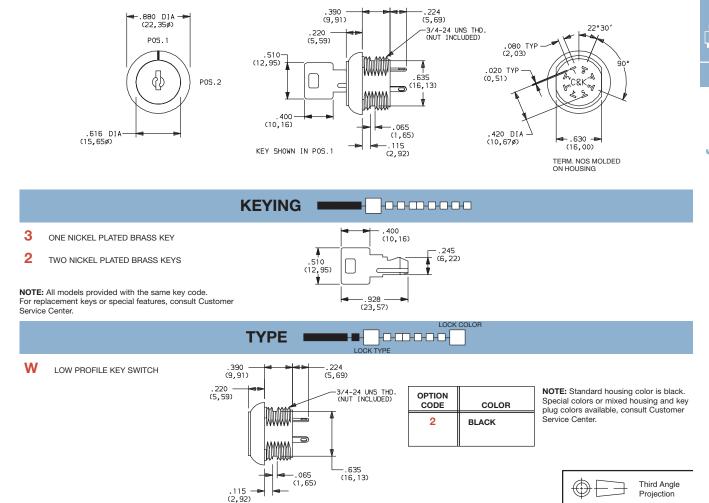
) = Stop positions.

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All models **1** 8° with all options when ordered with 'G' or 'Q' contact material.









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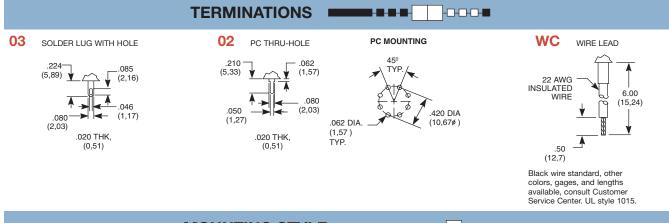
Specifications and dimensions subject to change

Dimensions are shown: mm

P Series Low Profile Key Switches

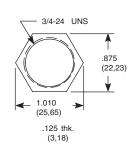
FINISH ┝᠋᠋ᠴᠣᠣᠣᠣ᠊᠊᠊

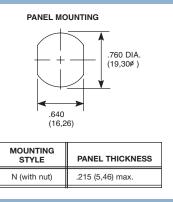
Μ MATTE FINISH



MOUNTING STYLE ┝╍╼╼

Ν WITH NUT





Nut part number: 175050700

CONTACT MATERIAL

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

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

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

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

