

C&K LP Series Miniature Snap-in Slide Switches

Features/Benefits

- 6 to 11 AMPS available
- Easy assembly—Snap-in mounting
- Contamination resistant—extended actuator
- Positive detent

Typical Applications

- Small appliances
- Outdoor appliances
- Portable tools



Specifications

CONTACT RATING: Q contact material (LP0X, LP2X Models: 6 AMPS @ 125 V AC or 28 V DC; 3 AMPS @ 250 V AC (UL/CSA). (LP7X, LP8X Models): 11 AMPS @ 125/250 V AC (UL/CSA). See page I-27 for additional ratings.

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

INSULATION RESISTANCE: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

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

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

Materials

HOUSING: 6/6 nylon (UL94V-2), black.

ACTUATOR: Glass filled acetal, UV and petroleum resistant, black.

CONTACTS: Q contact material: Copper, silver plated. See page I-27 for additional contact materials.

TERMINALS: Q contact material: Copper, silver plated. See page I-27 for additional contact materials.

CONTACT SPRING: Music wire or stainless steel.

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 I-26 and I-27. For additional options not shown in catalog, consult Customer Service Center.

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>			
Switch Function LP22 (STD.) DPDT, 6 AMP LP01 SPST, 6 AMP LP02 SPDT, 6 AMP LP21 DPST, 6 AMP LP71 SPST, 11 AMP LPB1 DPST, 11 AMP LP82 DPDT, 11 AMP	Actuator C2 (STD.) Black cap C1 Whitecap C3 Red cap	Detent 1 (STD.) With detent	Mounting Style T2 Snap-in panel with tabs (D, L, N markings only)
		Terminations 03 (STD.) Solder lug with hole WC Wire lead	Housing Markings NONE (STD.) No markings D ON-OFF
		Contact Material Q (STD.) Silver B Gold	

C&K LP Series

Miniature Snap-in Slide Switches

SWITCH FUNCTION



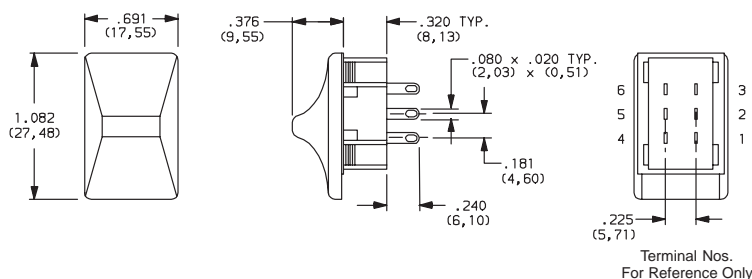
NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION	SCHEMATIC
SP	LP01	6	SPST	
	LP02	6	SPDT	
	LP71	11	SPST	

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION	SCHEMATIC
DP	LP21	6	DPST	
	LP22 (STD.)	6	DPDT	
	LP81	11	DPST	
	LP82	11	DPDT	

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

Contacts make on side actuator thrown.

* For complete contact ratings, see CONTACT MATERIALS Section, page I-27.

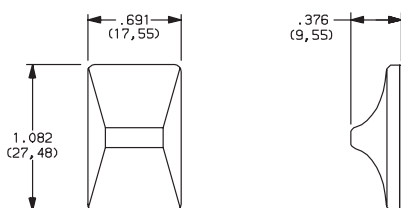


Part number shown: LP22C21S203Q

ACTUATOR



C1; C2; C3



OPTION CODE2	ACTUATOR CAP COLOR
C2	(STD.) BLACK
C1	WHITE
C3	RED

NOTE: Actuator finish: gloss. Other colors available, consult Customer Service Center.

DETENT



1 (STD.) WITH DETENT

MOUNTING STYLE

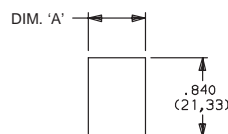


T2 (STD.) SNAP-IN PANEL WITH TABS



PANEL THICKNESS	DIM 'A'
.030-.045 (0,76) (1,14)	.578 (14,68)
.046-.059 (1,17) (1,50)	.585 (14,86)
.060-.089 (1,52) (2,26)	.598 (15,19)
.090-.120 (2,29) (3,05)	.610 (15,49)

PANEL MOUNTING

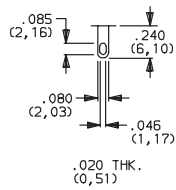


Mounting style T2 suitable for markings. See HOUSING MARKINGS options.

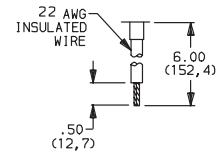
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TERMINATIONS

03 (STD.) SOLDER LUG WITH HOLE



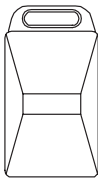
WC WIRE LEAD



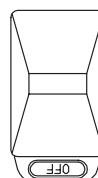
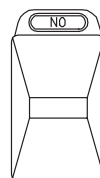
Black wire standard, other colors and lengths available, consult Customer Service Center. UL style 1015.

HOUSING MARKINGS

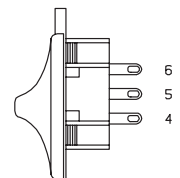
NONE (STD.) NO MARKINGS



D ON-OFF



NOTE: Housing markings are available with 'T2' mounting style only. The marking color on all housings with marking options 'D' is white, standard. Other marking colors are available, consult Customer Service Center.



Orientation of actuator and terminals.

CONTACT MATERIAL



OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
		POWER	LP0X, LP2X MODELS: 6 AMPS @ 125 V AC or 28 V DC; 3 AMPS @ 250 V AC (UL/CSA). LP7X, LP8X MODELS: 11 AMPS @ 125/250 V AC (UL/CSA).
Q (STD.)	SILVER ²		
B	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @20 V AC OR DC MAX.

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS—SEE SECTION N.

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 nickel plate over silver plate.

All models   with all when ordered with 'Q' contact material.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Components:

[LP82C21T203DQ](#) [LP22C31T203DQ](#) [LP02C31T203DQ](#) [LP02C21T203DQ](#)