

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
- RoHS compliant



Models Available

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 $10 \text{ m} \Omega$ typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

OPERATING TEMPERATURE: -30°C to +65°C

STORAGE TEMPERATURE: -30°C to +85°C

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 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.

Switch Function LP22 DPDT, 6 AMP LP02 SPDT, 6 AMP LP81 DPST, 11 AMP LP82 DPDT, 11 AMP	Actuator C2 Black cap C1 Whitecap C3 Red cap	Detent 1 With detent	Mounting Style T2 Snap-in panel with tabs (D, L, N markings only)	Terminations 03 Solder lug with hole	Housing Markings NONE No markings D ON-OFF	Contact Material Q Silver B Gold
---	--	--	---	--	--	--



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

LP Series

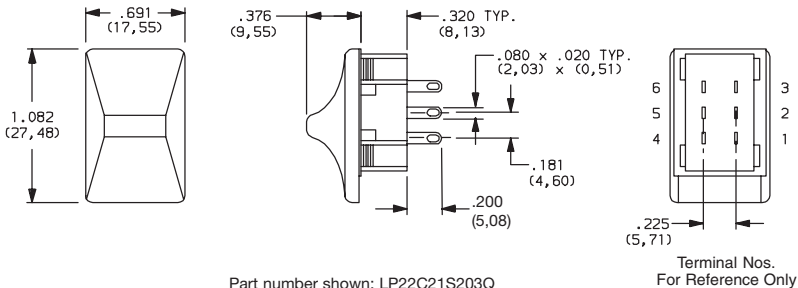
Miniature Snap-in Slide Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION	SCHEMATIC
SP	LP02	6	SPDT	

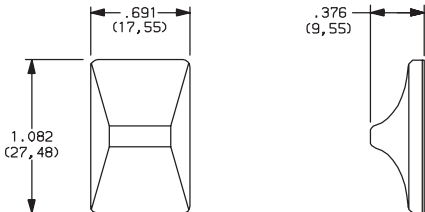
NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION	SCHEMATIC
DP	LP22	6	DPDT	
	LP81	11	DPST	
	LP82	11	DPDT	

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.



ACTUATOR

C1; C2; C3



OPTION CODE2	ACTUATOR CAP COLOR
C2	BLACK
C1	WHITE
C3	RED

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

DETENT

1 WITH DETENT

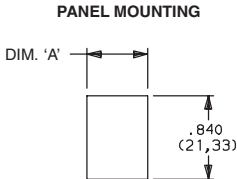
MOUNTING STYLE

T2 SNAP-IN PANEL WITH TABS



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

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)



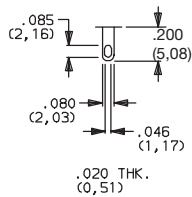
Dimensions are shown: Inch (mm)
 Specifications and dimensions subject to change



LP Series Miniature Snap-in Slide Switches

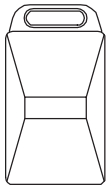
TERMINATIONS

03 SOLDER LUG WITH HOLE

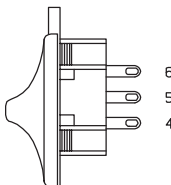
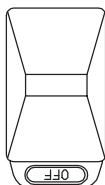
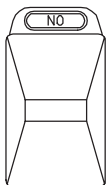


HOUSING MARKINGS

NONE 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 MATERIAL	RATINGS	
Q	SILVER ²	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).
B	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @20 V AC OR DC MAX.

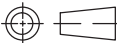
* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

- 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 nickel plate over silver plate.

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

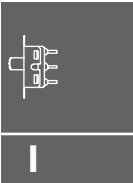
All models   with all when ordered with 'Q' contact material.





Third Angle Projection

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



Slide

Mouser Electronics

Authorized Distributor

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

C&K Components:

[LP22C21T203DQ](#)