Features/Benefits

- Tiny size saves space
- 10 and 16 position models available
- ESD clip available on select models
- Snap-in front mount saves assembly time

Typical Applications

- Computer peripherals
- Test equipment
- Instrumentation



Specifications

CONTACT RATING:

CARRY: 1 AMP continuous.

SWITCH: 0.4 VA max., 100 mA max., 28 V DC max.

OPERATING VOLTAGE: 50 mV to 28 V DC. ELECTRICAL LIFE: 1.000,000 actuations. CONTACT RESISTANCE: Below 300 m Ω typ. @

2-4 V DC, 100 mA.

INSULATION RESISTANCE: $10^9 \Omega$ min. (dry). DIELECTRIC STRENGTH: 500 Vrms min. @ sea level between common terminal and any output. OPERATING TEMPERATURE: -10°C to 65°C.

Materials

HOUSING: Polyester (UL 94V-0). PUSHWHEEL: Polycarbonate. PUSHBUTTON: Polyester (UL 94V-0).

ROTOR CONTACTS: Gold over nickel over copper alloy.

STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

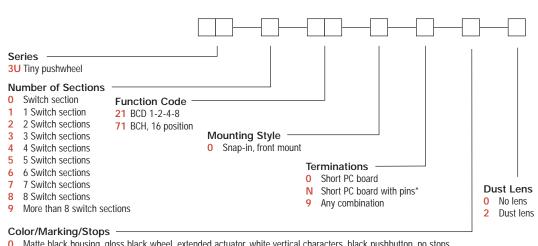
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center

Note: All models listed are RoHS compliant. See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications

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 N-4 thru N-6. For additional options not shown in catalog, consult Customer Service Center.

Consult factory for illumination availability.



- Matte black housing, gloss black wheel, extended actuator, white vertical characters, black pushbutton, no stops
- Combination of body colors, wheel colors, marking and/or stops
- Matte black housing, gloss black wheel, extended actuator, white horizontal characters, black pushbutton, no stops
- Matte black housing, gloss black wheel, recessed actuator, white vertical characters, black pushbutton, no stops
- Matte black housing, gloss black wheel, recessed actuator, white horizontal characters, black pushbutton, no stops



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

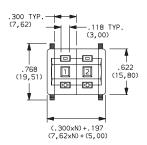


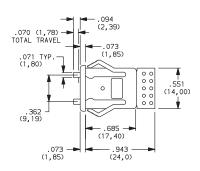
^{*} Note: Termination option N (RoHS compliant) replaces termination option 3 (non-RoHS compliant)

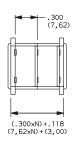
3U Series Tiny Pushwheel Switches

SERIES

3U 1/2" TINY PUSHWHEEL WITH EXTENDED ACTUATOR







N = Number of sections.

- Switch section only, no endplates.
- 1-8 Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION FORM, page N-7 and consult Customer Service Center.

NOTE: Endplates and blank sections available separately, see page N-6.

FUNCTION CODE ---

21 BCD 1-2-4-8, 10 POSITION

Available Terminations: 0, N See figs. 2 & 3, page N-5. 71 BINARY CODED HEXADECIMAL, 16 POSITION

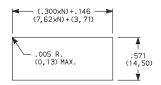
Ä	SIGNALS CONN. TO COMM. SIG. C										
HEEL	1	2	4	8	С						
0					•						
1	•				•						
2		•			•						
3	•	•			•						
4			•		•						
5	•				•						
6		•			•						
7	•	•	•		•						
8				•	•						
9	•			•	•						
A		•		•	•						
В	•	•		•	•						
С			•	•	•						
D	•		•	•	•						
Е		•	•	•	•						
F	•	•	•	•	•						
	2	3	4	5	1						
	TERM. LOCATION										

Available Terminations: 0, N See fig. 2, page N-5.

NOTE: ESD pin available, consult Customer Service Center. For terminal location diagrams, see page N–5.

MOUNTING STYLE ---

O SNAP-IN FRONT MOUNTING



N = Number of sections Recommended panel thickness: .039-.156 (0,99-3,95)



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



www.ck-components.com

---**TERMINATIONS** SHORT PC BOARD ANY COMBINATION OF TERMINATION SHORT PC BOARD, TYPE 0 WITH SOLDER PINS CONFIGURATION OR SPECIAL TERMINATIONS. —.043 DIA.TYP. (1,100) .043 DIA.TYP. Specify on configuration form, page N-7 and consult Customer Service Center. . 259 **3**0000 0000 -.100 TYP. .236 .100 TYP. (2,54) -.100 TYP. (2,54)

Note: Termination option N (RoHS compliant) replaces termination option 3 (non-RoHS compliant).

PC Board 1/32" (0,79) thick

NOTE: All terminal holes shown may not be present for all function codes consult Customer Service Center.

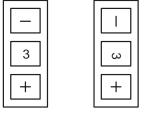
Terminal Location Numbers



NOTE: See function codes, page N-4 for signal locations.

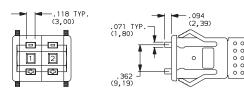


- 0 MATTE BLACK HOUSING (Gloss black wheel with extended actuator, white vertical characters, black pushbuttons, no stops.)
- 9 SPECIAL COLORS, MARKINGS FOR HOUSING OR WHEEL, STOPS (Specify on CONFIGURATION FORM, page N-7 and
- A MATTE BLACK HOUSING (Gloss black wheel with white horizontal characters, extended actuator, black pushbuttons, no stops.)
- C MATTE BLACK HOUSING (Gloss black wheel with white vertical characters, recessed actuator, black pushbuttons, no stops.)
- Ε MATTE BLACK HOUSING (Gloss black wheel with white horizontal characters, recessed actuator, black pushbuttons, no stops.)



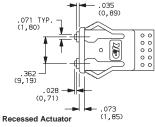


Horizontal Characters



Extended Actuator







Third Angle Projection

Dimensions are shown: Inch (mm)



Specifications and dimensions subject to change

DUST LENS

- 0 NO LENS
- 2 DUST LENS (Protects character face of the wheel from abrasion and dust.)

AVAILABLE HARDWARE

Blank section, .302 THK. (Replaces active section.)



PART NO.

123B02000 BLACK

End plates







RIGHT-with pin

PART NO.

113B02000 LEFT-BLACK

114B02000 RIGHT-BLACK

One left and one right piece required for complete assembly.





Configuration Form GRAY SHADED AREAS TO BE FILLED IN BY CUSTOMER SERVICE.											C&K F						
											CE. RT NUMBER						
3 U																C&K PART NUMBER	
COMPANY NAME													CUST(PRINT	OMER		χ̈	
ADDRESS TEL.#																	
CUSTOMER CONTACT DATE										_ [DETAI	LS:					
ORIGINATED BY																	
PUSHWHEEL SECTIONS	NO. OF SEC.	C	OLO	R/M <i>A</i> II	ODE ARKIN LLUM IS IN APP BLANK S	IG/S INAT	TOF	PS/S 1	EAL	_	DE	ESCI	RIBE II	N APP	ROPRIA	ATE R	ROW
	1	3 U															
	2	3 U	_														
0 6	3	3 U	_														
	4	3 U	=[
	5	3 U	=[
	6	3 U				_											
	7	3 U	_														
	8	3 U	=[=											
	9	3 U	_			_											
	10	3 U															
	11	3 U															
QUALITY CONTROL INSTRUCTIONS							PF	RODU	JCTIC	N A	PPRO	DVAL	DA	ATE			
							Q.C. APPROVAL D						ATE				
									RE	EV.	ļi	NIT	IALS		D/	ATE	
FOR SWITCHES WITH MORE THAN 11	SECTIONS	S, CONTINUE	ON AD	DDITION	IAL SHE	ETS.											
SPECIAL INSTRUCTION	S OR	SPECIF	ICAT	ΓION	S:												

C&K

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

SHEET_

N-7