

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

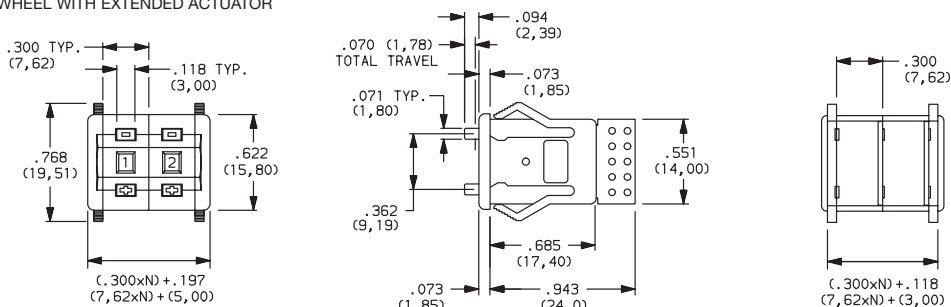
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages N-4 thru N-6. For additional options not shown in catalog, consult Customer Service Center. Consult factory for illumination availability.

Series 3U Tiny pushwheel	Number of Sections 0 Switch section 1 1 Switch section 2 2 Switch sections 3 3 Switch sections 4 4 Switch sections 5 5 Switch sections 6 6 Switch sections 7 7 Switch sections 8 8 Switch sections 9 More than 8 switch sections
Function Code 21 BCD 1-2-4-8 71 BCH, 16 position	Mounting Style 0 Snap-in, front mount
Terminations 0 Short PC board N Short PC board with pins* 9 Any combination	Dust Lens 0 No lens 2 Dust lens
Color/Marking/Stops 0 Matte black housing, gloss black wheel, extended actuator, white vertical characters, black pushbutton, no stops 9 Combination of body colors, wheel colors, marking and/or stops A Matte black housing, gloss black wheel, extended actuator, white horizontal characters, black pushbutton, no stops C Matte black housing, gloss black wheel, recessed actuator, white vertical characters, black pushbutton, no stops E Matte black housing, gloss black wheel, recessed actuator, white horizontal characters, black pushbutton, no stops	

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

C&K 3U Series Tiny Pushwheel Switches

3U 1/2" TINY PUSHWHEEL WITH EXTENDED ACTUATOR



N = Number of sections.

NUMBER OF SECTIONS

- 0 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

71 BINARY CODED HEXADECIMAL,
16 POSITION

W H E E L	SIGNALS CONN. TO COMM. SIG. C				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
	1	2	3	4	5
	TERM. LOCATION				

Available Terminations: 0, N
See figs. 2 & 3, page N-5.

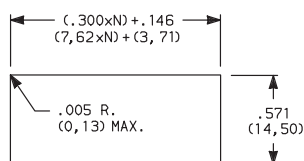
W H E E L	SIGNALS CONN. TO COMM. SIG. C				
	1	2	4	8	C
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					
	2	3	4	5	1
	TERM. LOCATION				

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

0 SNAP-IN FRONT MOUNTING



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



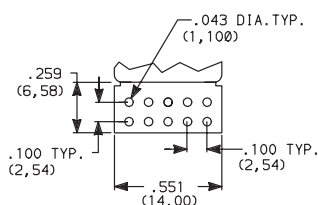
Third Angle
Projection

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

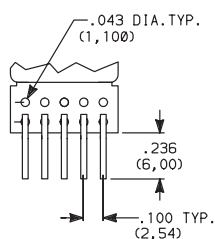
www.ittcannon.com

TERMINATIONS

0 SHORT PC BOARD



N SHORT PC BOARD, TYPE 0
WITH SOLDER PINS



9 ANY COMBINATION OF TERMINATION
CONFIGURATION OR SPECIAL TERMINATIONS.

Specify on configuration form, page N-7
and consult Customer Service Center.

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

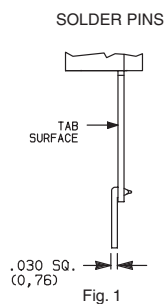


Fig. 1



Fig. 2

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

COLOR/MARKING/STOPS

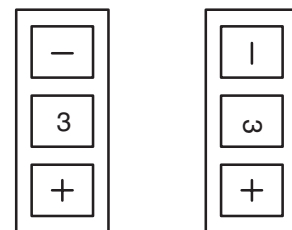
0 MATTE BLACK HOUSING (Gloss black wheel with extended actuator, white vertical characters, black pushbuttons, no stops.)

9 SPECIAL COLORS, MARKINGS FOR HOUSING OR WHEEL, STOPS (Specify on CONFIGURATION FORM, page N-7 and consult Customer Service Center.)

A MATTE BLACK HOUSING (Gloss black wheel with white horizontal characters, extended actuator, black pushbuttons, no stops.)

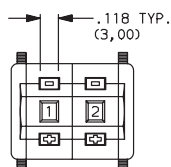
C MATTE BLACK HOUSING (Gloss black wheel with white vertical characters, recessed actuator, black pushbuttons, no stops.)

E MATTE BLACK HOUSING (Gloss black wheel with white horizontal characters, recessed actuator, black pushbuttons, no stops.)

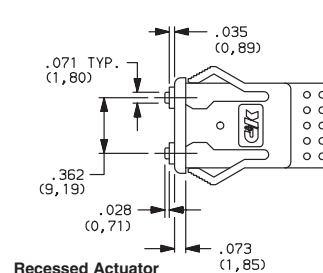
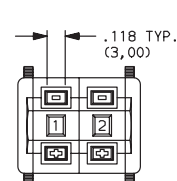
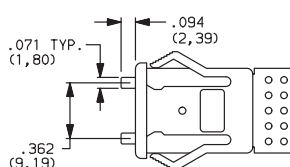


Vertical Characters

Horizontal Characters



Extended Actuator



Recessed Actuator



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

C&K 3U Series Tiny Pushwheel Switches

查询"3U3210000"供应商

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



LEFT-with hole



RIGHT-with pin

PART NO.
113B02000 LEFT-BLACK
114B02000 RIGHT-BLACK

One left and one right
piece required for
complete assembly.

Thumbwheel & Pushwheel



N

Configuration Form

GRAY SHADED AREAS TO BE FILLED IN BY CUSTOMER SERVICE.

CATALOG PART NO.

3 U

C&K PART NUMBER

C&K PART NUMBER

COMPANY NAME

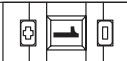

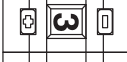







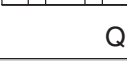
CUSTOMER
PRINT
REVISION:

ADDRESS TEL.#

CUSTOMER CONTACT DATE

DETAILS:

ORIGINATED BY SALES REP.

PUSHWHEEL SECTIONS	NO. OF SEC.	FUNCTION CODE- TERMINATIONS- COLOR/MARKING/STOPS/SEAL- ILLUMINATION <small>ENTER OPTION CODES IN APPROPRIATE BOXES. FUNCTION CODES INCLUDE BLANK SECTIONS (SEE PAGE M-4).</small>	DESCRIBE IN APPROPRIATE ROW
	1	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	2	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	3	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	4	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	5	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	6	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	7	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	8	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	9	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	10	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
	11	<input type="text"/> 3 <input type="text"/> U <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

QUALITY CONTROL INSTRUCTIONS

PRODUCTION APPROVAL

DATE

Q.C. APPROVAL

DATE

REV.

INITIALS

DATE

FOR SWITCHES WITH MORE THAN 11 SECTIONS, CONTINUE ON ADDITIONAL SHEETS.

SPECIAL INSTRUCTIONS OR SPECIFICATIONS:

SHEET ____ OF ____