M

C&K 3P Series Miniature Pushwheel Switches



Features/Benefits

- Snap-in front mount design for easy assembly
- 10 position models available Illuminated backlighting available

Typical Applications

- · Test & measurement equipment
- Industrial machinery
- Computer peripherals

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: 100,000 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: Polycarbonate (UL 94V-0). PUSHWHEEL: Polycarbonate (UL 94V-0). PUSHBUTTON: Polycarbonate (UL 94V-0).

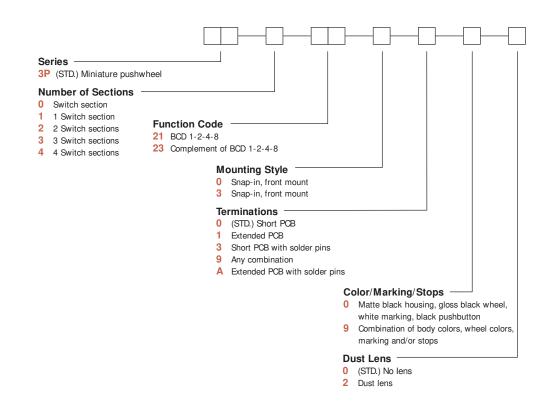
ROTOR CONTACTS: Gold over nickel over copper alloy. STATOR CONTACTS: Hard gold over nickel over copper

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.

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 M-17 thru M-19. For additional options not shown in catalog, consult Customer Service Center. Consult factory for illumination availability.



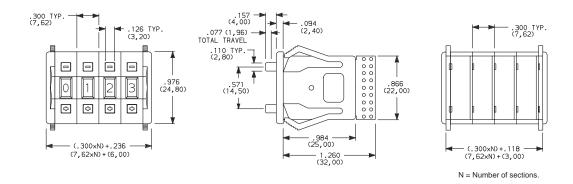


Dimensions are shown: IN (mm)
Dimensions subject to change

M-16



3P (STD.) MINIATURE PUSHWHEEL SWITCH



- Switch section only, no endplates.
- Number of switch sections in assembly, includes endplates.

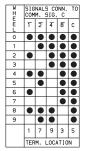
NOTE: Endplates and blank sections available separately, see page M-20.

FUNCTION CODE

21 BCD 1-2-4-8, 10 POSITION 23 COMPLEMENT OF BCD 1-2-4-8, 10 POSITION

WHEEL	SIGNALS CONN. TO COMM. SIG. C										
Ē	1	2	4	8	С						
0					•						
1	•				•						
2		•			•						
3	•	•			•						
4			•		•						
5	•		•		•						
6		•	•		•						
7	•	•	•		•						
8				•	•						
9	•			•	•						
	1	3	5	7	9						
	TERM. LOCATION										

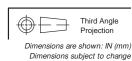
Available Terminations: A, 0, 1, 3 See figs. 2 & 3, page M-19.



Available Terminations: 0, 1, 3 See figs. 2 & 3, page M-19.

NOTE: For terminal location diagrams, see page M-19.





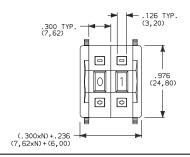
www.ittcannon.com

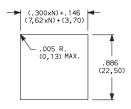


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MOUNTING STYLE ---

O SNAP-IN FRONT MOUNT, SECTION PITCH: .300 (7,62) EACH SECTION

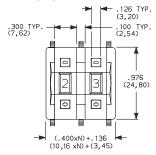


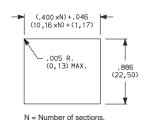


N = Number of sections.

Recommended panel thickness: .039-.156 (0,99-3,95)

3 SNAP-IN FRONT MOUNT WITH SPACER, SECTION PITCH: .400 (70,16) EACH SECTION, LAST SECTION .300 (7,62)

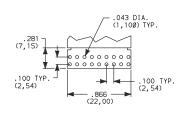




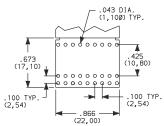
Recommended panel thickness: .039-.156 (0.99-3.95)

TERMINATIONS ----

(STD.) SHORT PCB

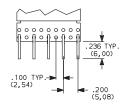


1 EXTENDED PCB WITH PROVISION FOR COMPONENTS



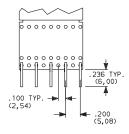
Signal traces cut, except for common(s).

3 SHORT PCB, TYPE 0 WITH SOLDER PINS



For terminal location numbers, see next page.

A EXTENDED PCB, TYPE 1 WITH SOLDER PINS



For terminal location numbers, see next page. Signal traces cut, except for common(s). 9 ANY COMBINATION OF TERMINATION CONFIGURATIONS OR SPECIAL TERMINATIONS

Specify on configuration form, page M-21 and consult Customer Service Center.

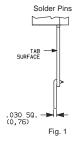
PC Board 1/32" (0,79) thick.

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



Cannon

Dimensions are shown: IN (mm)
Dimensions subject to change



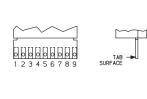


Fig. 2

COLOR/MARKING/STOPS

- 0 (STD.) MATTE BLACK HOUSING (Gloss black wheel with white characters, black pushbuttons, no stops.)
- 9 SPECIAL COLORS, MARKINGS FOR HOUSING OR WHEEL, STOPS (Specify on CONFIGURATION FORM, page M-21 and consult Customer Service Center).

DUST LENS

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









C&K 3P Series Miniature Pushwheel Switches

AVAILABLE HARDWARE

Blank sections, .300 THK.



PART NO.

663702000 BLACK 663709000

Stop pins



PART NO. 657800000 End plates



LEFT-with hole



RIGHT-with pin

PART NO.

623502000 LEFT-BLACK 623509000 LEFT-GRAY

623602000 RIGHT-BLACK 623609000 RIGHT-GRAY

One left and one right piece required for complee assembly.



PART NO.

663602000 BLACK 663609000

Spacers, .100 THK. (Makes section pitch .400)

Terminal connnector



PART NO. 630000000

Fits 0, 1 terminations only.





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	3	P																		MBER
COMPANY N	AME																_	MER		
																	INT VISI	ON:		
ADDRESS TEL.# CUSTOMER CONTACT DATE											DE	TAIL	S:							
RIGINATED																				
PUSH\ SECT			(NO. OF EC.	C	OLO	R/M I N CODI	CODE ARKI LLUN ES IN AF BLANK	NG/S /IINA	STO TIO	PS/S N BOXES	SEAL	- TION		DES	CRIB	E IN	APPR	ROPRIA	ATE RO
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				2 [3 P															
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													EV.		INI	ITIA	1 9		D.	ATE
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FOR SWITCHES WIT	TH MOR	E THAN	11 SEC	TIONS, (CONTINU	E ON A	DDITIO	NAL SHE	ETS.											



Dimensions are shown: IN (mm) Dimensions subject to change

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