

Features/Benefits

- Snap-in front mount design for easy assembly
- 10 position models 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.

on epoxy fiberglass.

HOUSING: Polycarbonate (UL 94V-0).

PUSHWHEEL: Polycarbonate (UL 94V-0).

PUSHBUTTON: Polycarbonate (UL 94V-0).

Materials

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

ROTOR CONTACTS: Gold over nickel over copper alloy.

STATOR CONTACTS: Hard gold over nickel over copper

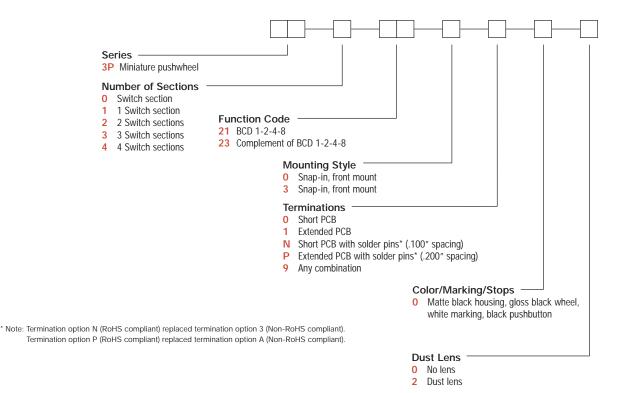
Note: All models listed are RoHS compliant. See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

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-17 thru N-19. For additional options not shown in catalog, consult Customer Service Center.

Consult factory for illumination availability.

OPERATING TEMPERATURE: -10°C to 65°C.

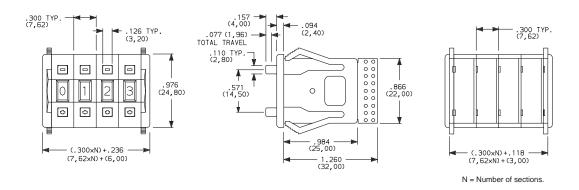




Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

SERIES

3P MINIATURE PUSHWHEEL SWITCH



NUMBER OF SECTIONS ----

- Switch section only, no endplates.
- 1-4 Number of switch sections in assembly, includes endplates.

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

FUNCTION CODE ---

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

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

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

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	1	7	9	3	5								
	TER	TERM. LOCATION											

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

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



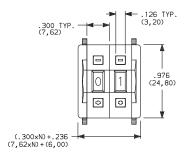
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

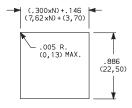


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MOUNTING STYLE ---

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

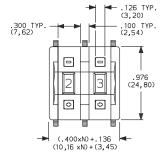


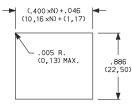


N = Number of sections.

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)



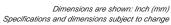


N = Number of sections.

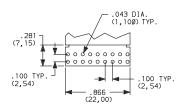
Recommended panel thickness: .039-.156 (0,99-3,95)



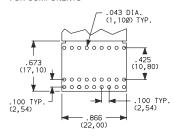






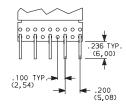


EXTENDED PCB WITH PROVISION FOR COMPONENTS



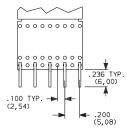
Signal traces cut, except for common(s).

SHORT PCB, TYPE 0 WITH SOLDER PINS



For terminal location numbers, see next page.

EXTENDED PCB, TYPE 1 WITH SOLDER PINS



ANY COMBINATION OF TERMINATION CONFIGURATIONS OR SPECIAL TERMINATIONS

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

For terminal location numbers, see next page Signal traces cut, except for common(s).

** Note: Termination option N (RoHS compliant) replaced termination option 3 (Non-RoHS compliant). Termination option P (RoHS compliant) replaced termination option A (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.

N-19







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

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TERMINATIONS ----

Terminal Location Numbers

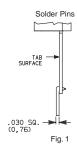
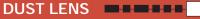




Fig. 2

COLOR/MARKING/STOPS ----

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





DUST LENS (Protects character face of the wheel from abrasion and dust.)







Thumbwheel & Pushwheel

3P Series Miniature Pushwheel Switches

AVAILABLE HARDWARE End plates Spacers, .100 THK. (Makes section pitch .400) Blank sections, .300 THK. LEFT-with hole RIGHT-with pin PART NO. 623502000 LEFT-BLACK PART NO. PART NO. One left and one right 623602000 RIGHT-BLACK 663702000 BLACK 663602000 BLACK piece required for complee assembly. Stop pins Terminal connnector PART NO. PART NO. Fits 0, 1 terminations only. 657800000 630000000





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	Configuration Form GRAY SHADED AREAS TO BE FILLED IN BY CUSTOMER SERVICE.													C&K F												
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ORIGINATED BY SALES REP																										
	PUSHWHEEL NO. OF SEC.						F	FUNCTION CODE – TERMINATIONS – COLOR/MARKING/STOPS/SEAL – ILLUMINATION ENTER OPTION CODES IN APPROPRIATE BOXES. FUNCTION CODES INCLUDE BLANK SECTIONS (SEE PAGE M-17).										SC	RIB	E IN	APP	ROP	RIAT	E ROW		
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Thumbwheel & Pushwheel

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