3P Series Miniature Pushwheel Switches



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.

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

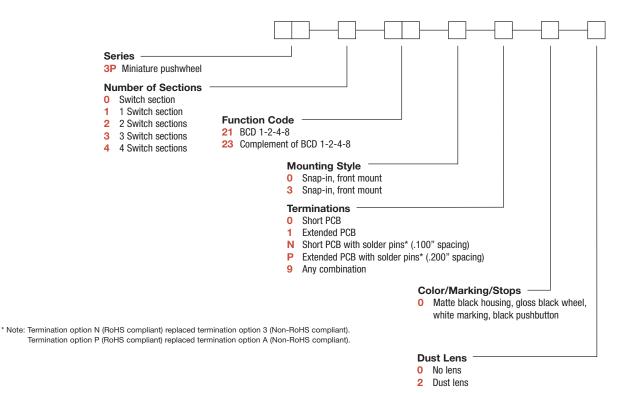
on epoxy fiberglass.

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

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 M-12 thru M-15. For additional options not shown in catalog, consult Customer Service Center. Consult factory for illumination availability.

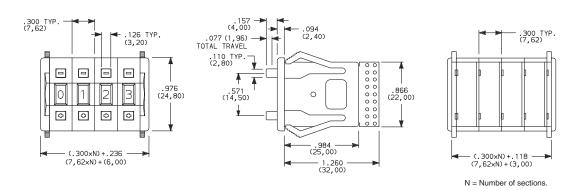




3P Series Miniature Pushwheel Switches

SERIES ----

3P MINIATURE PUSHWHEEL SWITCH



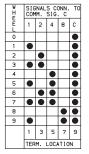
- O Switch section only, no endplates.
- 1-4 Number of switch sections in assembly, includes endplates.

NOTE: Endplates and blank sections available separately, see page M-14.

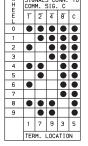
FUNCTION CODE ---

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

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



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



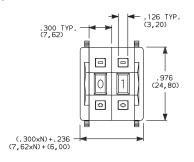
Available Terminations: 0, 1, N See figs. 2 & 3, page N-19.

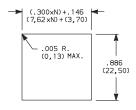
NOTE: For terminal location diagrams, see page M-14.





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

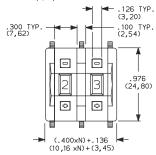


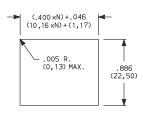


N = Number of sections.

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

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



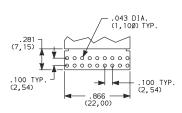


N = Number of sections

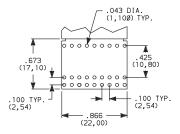
Recommended panel thickness: .039-.156 (0,99-3,95)

TERMINATIONS ----

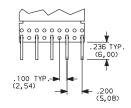
SHORT PCB



EXTENDED PCB WITH PROVISION FOR COMPONENTS



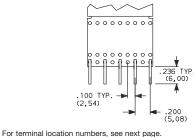
SHORT PCB, TYPE 0 WITH SOLDER PINS



For terminal location numbers, see next page

EXTENDED PCB, TYPE 1 WITH SOLDER PINS

Signal traces cut, except for common(s).



Signal traces cut, except for common(s). ANY COMBINATION OF TERMINATION CONFIGURATIONS OR SPECIAL TERMINATIONS

Specify on configuration form, page M-15

and consult Customer Service Center.



** 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).

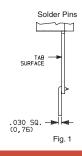
PC Board 1/32" (0,79) thick.

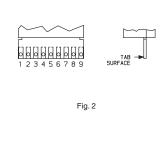
NOTE: All terminal holes shown may not be present for all function codes, consult Customer Service Center.











COLOR/MARKING/STOPS

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

DUST LENS

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



AVAILABLE HARDWARE

Blank sections, .300 THK.



End plates



LEFT-with hole

PART NO.

623502000 LEFT-BLACK

623602000 RIGHT-BLACK

One left and one right piece required for complee assembly.

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



PART NO. 663602000 BLACK

Stop pins

PART NO.

663702000 BLACK

Thumbwheel & Pushwheel



PART NO. 657800000





Third Angle Projection



3P Series Miniature Pushwheel Switches

					GR	CO I	TIQ ED AREAS	Jurai s to be fili	LED IN BY	CUS	OTM STOMER SEF	RVICE.		C&K PART NUMBER
	CA	CATALOG PART NO.						C&K PA					RT NUMBER	
		3	P											MBER
OMPAN'	y nai	ME_											CUSTOMER PRINT	
DDRESS													REVISION:	
SUSTOMER CONTACT								DATE					DETAILS:	
RIGINAT														
SECTIONS OF COLO					OLOR	/MAR	I CODE — TERMINATIONS— MARKING/STOPS/SEAL — ILLUMINATION DDES IN APPROPRIATE BOXES. FUNCTION DE BLANK SECTIONS (SEE PAGE M-17).				DES	CRIBE IN APPR	OPRIATE ROW	
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0				11	3 P									
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											Q.C. A	PPROV	AL	DATE
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C&K

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Specifications and dimensions subject to change