Thumbwheel Product Selection Guide

Thumbwheel			
Series	3		
Switch Type	Thumbwheel		
Sealed	•		
Dust Lens	٠		
Max. Current	1 Amp		
Actuators			
Thumbwheel Actuator	•		
Number of Positions			
10 Position	٠		
16 Position	٠		
Mounting Options			
Board Mount w/Pins	•		
Front Mount	•		
Rear Mount	•		
Snap-in	•		
Page Number	M-3		



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

Features/Benefits

- Spacers available to fit most panel cutouts
- Front or rear mounting options

Typical Applications

- Most complete product offering in the industry
 Test & measurement equipment
 - Industrial equipment
 - Computer devices



Specifications

CONTACT RATING: CARRY: 1 AMP continuous. SWITCH: 100 mA max. OPERATING VOLTAGE: 50 mV to 28 V DC or 120 V AC. ELECTRICAL LIFE: 100,000 actuations. CONTACT RESISTANCE: Below 100 m Ω typ. initial @ 2-4 V DC, 100 mA. INSULATION RESISTANCE: $10^9 \Omega$ min. DIELECTRIC STRENGTH: 500 Vrms min. @ sea level between common terminal and any output. OPERATING TEMPERATURE: -40° C to 65° C.

Materials

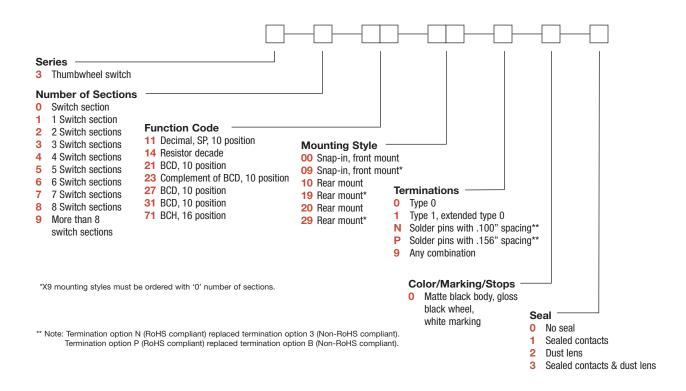
HOUSING: ABS plastic. THUMBWHEEL: ABS plastic. ROTOR CONTACTS: Precious metal on copper alloy. STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

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–4 thru M–10. For additional options not shown in catalog, consult Customer Service Center. Consult factory for illumination availability.

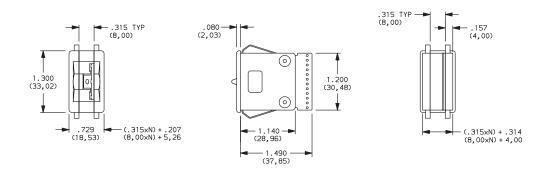




Dimensions are shown: Inches (mm) Specifications and dimensions subject to change humbwhee

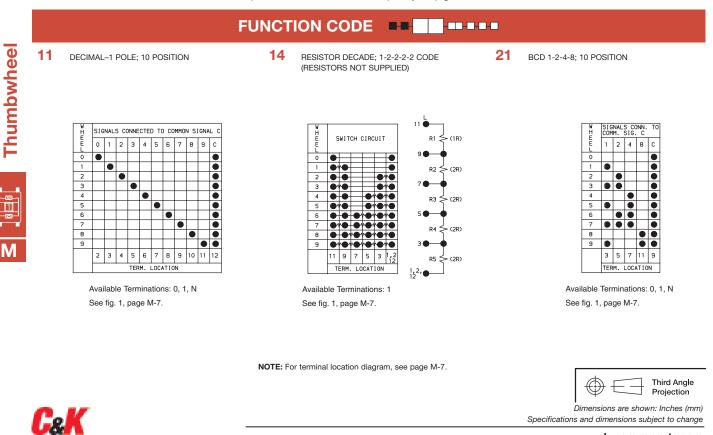
SERIES

3 THUMBWHEEL SWITCHES

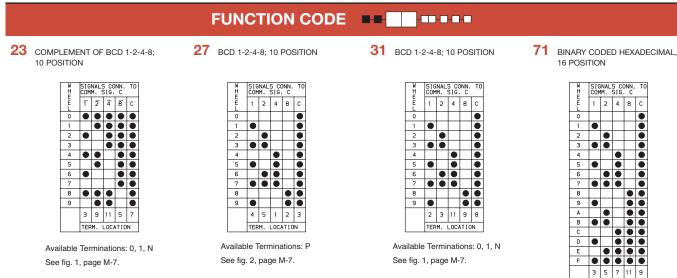


NUMBER OF SECTIONS

- 0 Switch section only, no assembly. Blank bodies are considered sections; endplates are not sections. Must be ordered with 09 or 19 mounting style options, see pages M–5 and M–6.
- **1-8** Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION FORM, page M–10 and consult Customer Service Center.



NOTE: Endplates and blank sections available separately, see pages M-13 and M-14.



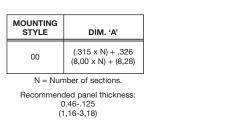
Available Terminations: 0, 1, N See fig. 1, page M-7.

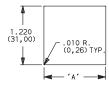
TERM. LOCATION

NOTE: For terminal location diagram, see page M-7.

MOUNTING STYLE

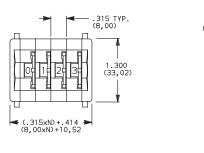
Type 0 Snap-In Front Mount

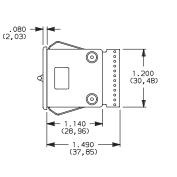


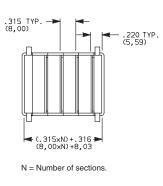


PANEL MOUNTING

00 SWITCH ASSEMBLY W/ ENDPLATES-.315 (8,00) SECTION PITCH

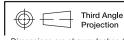






09 SWITCH SECTION ONLY-UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option "0", see Page M-4.)

NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see pages M–8 and M–9.



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

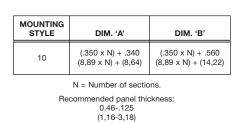


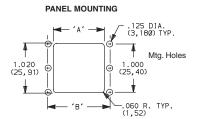
Thumbwhee

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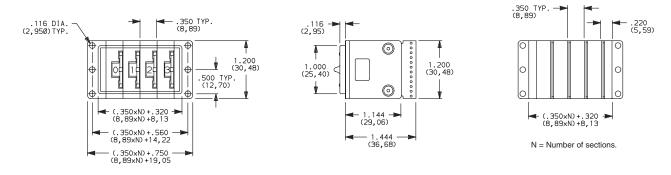
MOUNTING STYLE

Type 1 Rear Mount





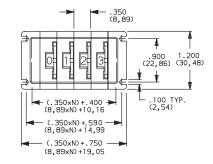
10 SWITCH ASSEMBLY W/ ENDPLATES-.350 (8,89) SECTION PITCH

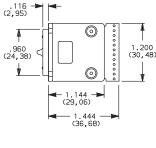


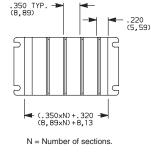
19 SWITCH SECTION ONLY-UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option "0", see Page M-4.)

Type 2 Rear Mount

20 SWITCH ASSEMBLY W/ ENDPLATES-.350 (8,89) SECTION PITCH







29 SWITCH SECTION ONLY-UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option "0", see Page M-4.)

> NOTE: Endplates, blank sections, spacers and assembly hardware available separately, see pages M-8 and M-9.

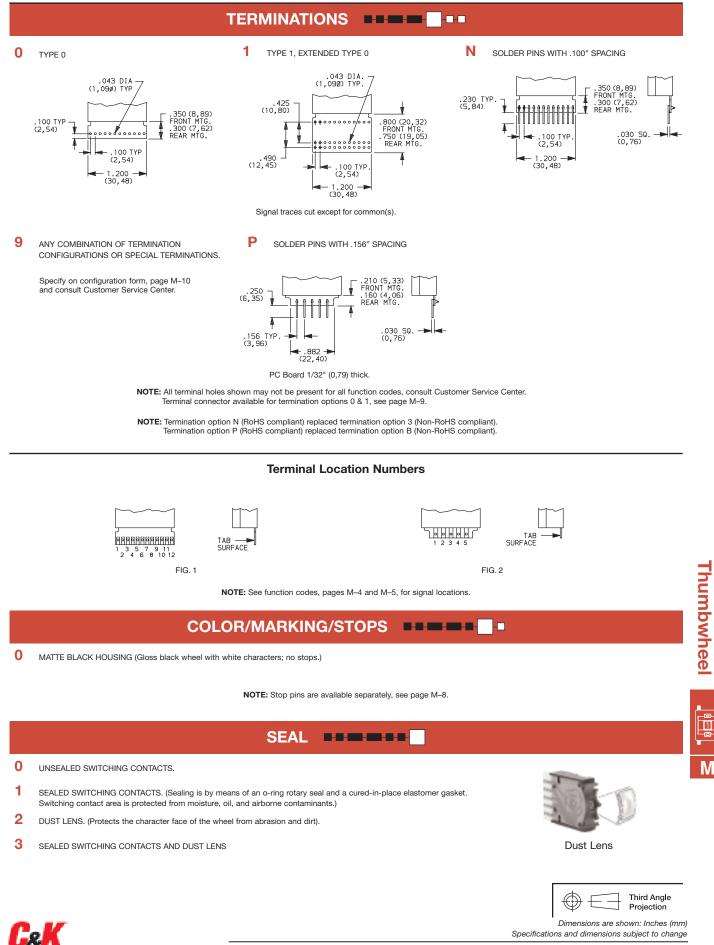


Specifications and dimensions subject to change

Thumbwheel

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Specifications and dimensions subject to change

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AVAILABLE HARDWARE								
Blank sections, Type 0, .315 THK.	Blank sections, Front mount, Type 0, .315 THK.	Blank sections, Rear mount, Type 1, .350 THK.						
PART NO.	PART NO.	4006 4008 PART NO.						
413602000 W/RIB-BLACK	413502000 PLAIN-BLACK	400602000 W/RIB-BLACK						
400502000 W/RIB & W/OUT SPRINGS-BLACK	400702000 PLAIN & W/OUT SPRINGS-BLACK	400802000 PLAIN-BLACK						
Blank sections, Rear mount, Type 2, .350 THK.	End plates, Front mount, Type 0	End plates, Rear mount, Type 1						
4734 4733 PART NO.	A REAL							
473402000 W/RIB-BLACK 473302000 PLAIN-BLACK	PART NO. 413402000 BLACK Two required for complete assembly.	PART NO. 400402003 BLACK Two required for complete assembly.						
End plates, Rear mount, Type 2	Spacers, Front mount, Type 0 & 3, .078 THK. (Makes section pitch 10mm)	Stop pins						
		L						
PART NO. 473202003 BLACK Two required for complete assembly.	PART NO. 410802000 BLACK	PART NO. 402900000						
CeK _	1	Dimensions are shown: Inches (mm) Specifications and dimensions subject to change						

C&K

Thumbwheel

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www.ck-components.com

AVAILABLE HARDWARE

Terminal connector





 PART NO.

 605A00000
 PC

 605A02000
 SOLDER LUG

Fits 0 & 1 terminations only.

Screws for field assembly of thumbwheel switches (2 screws needed per assembly + 403500000 nuts)

	NUMBER OF SECTIONS IN ASSEMBLY			
SCREW PART NUMBER (0-80 UNF THD. SIZE)	FRONT MOUNTING	REAR MOUNTING		
	MTG. STYLE - 00	MTG. STYLE – 10		
412700000	1–2	1–2		
412701000	3–4	3		
412702000	5–7	4–6		

 Nut
 Nut driver (For 403500000 nut)

 Image: Constraint of the system
 Image: Constraint of the system

 Two nuts required per assembly and screws.
 Image: Constraint of the system

 PART NO.
 PART NO.

 403500000
 406100652



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

Configuration Form						
CATALOG PART NO.	GRAY SHADED AREAS TO BE FILLED IN BY CUSTOMER SERVIC			PART NUMBER	C&K PART NUMBER	
3						
COMPANY NAME				CUSTOMER PRINT		
ADDRESS						
CUSTOMER CONTACT		DATE		DETAILS:		
ORIGINATED BY		SALES RE	P			
		CODE – TERN JARKING/STOF ILLUMINATION DES IN APPROPRIATE E LANK SECTIONS (SEE F	PS/SEAL – N	DESCRIBE IN APPF	IOPRIATE ROW	
	3 –					
	2 3 -					
3	3 –					
4	3 –]		
5	3 –]		
6	3 –					
7	3 –]		
8	3 –]		
9	3 -					
	0 3 -					
1	1 3 -					
QUALITY CC		TIONS	PRODU	JCTION APPROVAL	DATE	
			Q.C. AF	PROVAL	DATE	
			REV.	INITIALS	DATE	
FOR SWITCHES WITH MORE THAN 11 SECT	· · · · · · · · · · · · · · · · · · ·					
				S	SHEET OF	



Z [III] Thumbwheel

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Largest Supplier of Electrical and Electronic Components

Click to view similar products for Switch Fixings category:

Click to view products by C&K manufacturer:

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 LZZ1A
 0098.9234
 61-9451.0
 M2PA-5011
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 6PA113
 6PA147-E6
 6PA148-E6
 6PA32
 6PA9
 700109

 700303A56
 700C1GRY
 700C2GRN
 704-6001
 704.960.9
 704.965.2
 704.965.6
 704.966.0
 7089-3
 710082-B11
 71M1048
 757200264

 764300000
 MHU35
 MHU37
 807039-1
 825.003.011
 825.005.011
 825.055.011
 826.000.071
 827.020.011
 827.400.021

 835.900.023
 MML52C10C
 MML52E10C
 MML92HGH
 MML93K
 84211M02CNNS
 84217A8.0LNOS
 842.500.011

 843.000.011
 843187-000
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