

# Features/Benefits

Most complete product offering in the industry • Test & measurement equipment

Front or rear mounting options

- Spacers available to fit most panel cutouts
  - Industrial equipment **Computer devices**

Typical Applications

# 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**

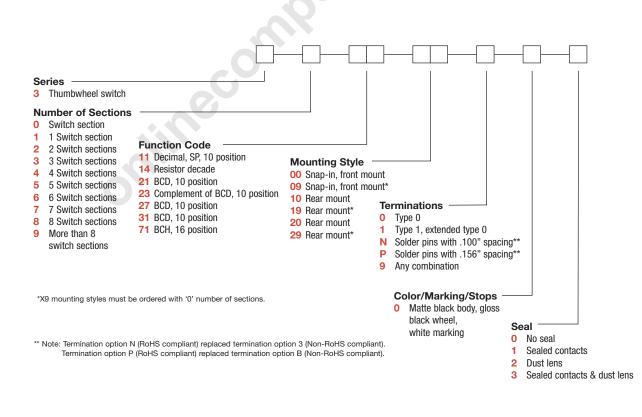
HOUSING: ABS plastic. THUMBWHEEL: ABS plastic. ROTOR CONTACTS: Precious metal on copper alloy. STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

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.

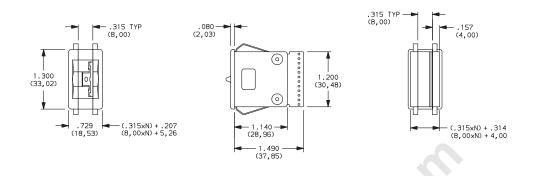




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#### SERIES

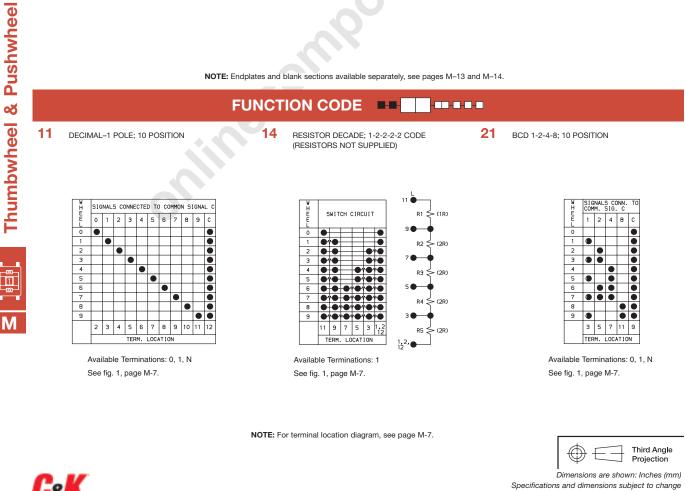
3 THUMBWHEEL SWITCHES



#### NUMBER OF SECTIONS -----

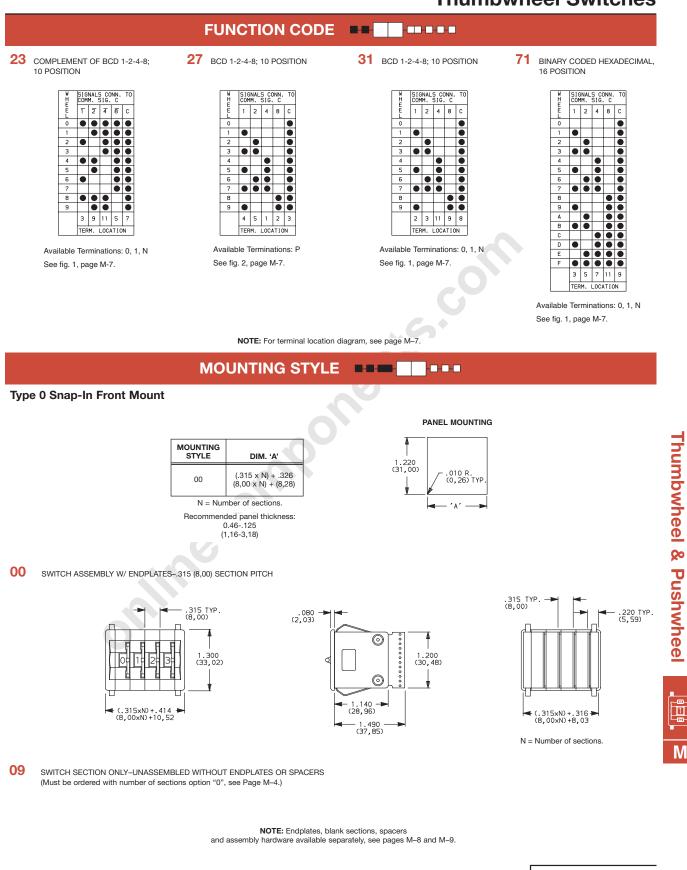
- 0 Switch section only, no assembly. Blank bodies are considered sections; endplates are not sections. Must be ordered with 09 or 19 mounting style options, see pages M-5 and M-6.
- 1-8 Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION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

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





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Specifications and dimensions subject to change

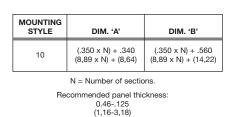
Dimensions are shown: Inches (mm)

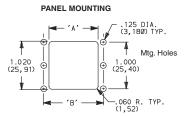
Third Angle Projection

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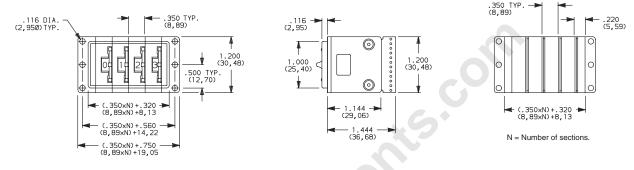
# MOUNTING STYLE

#### 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.)

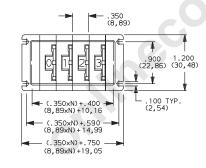
## **Type 2 Rear Mount**

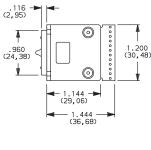
Thumbwheel & Pushwheel

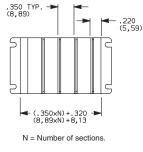
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20 SWITCH ASSEMBLY W/ ENDPLATES-.350 (8,89) SECTION PITCH







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.

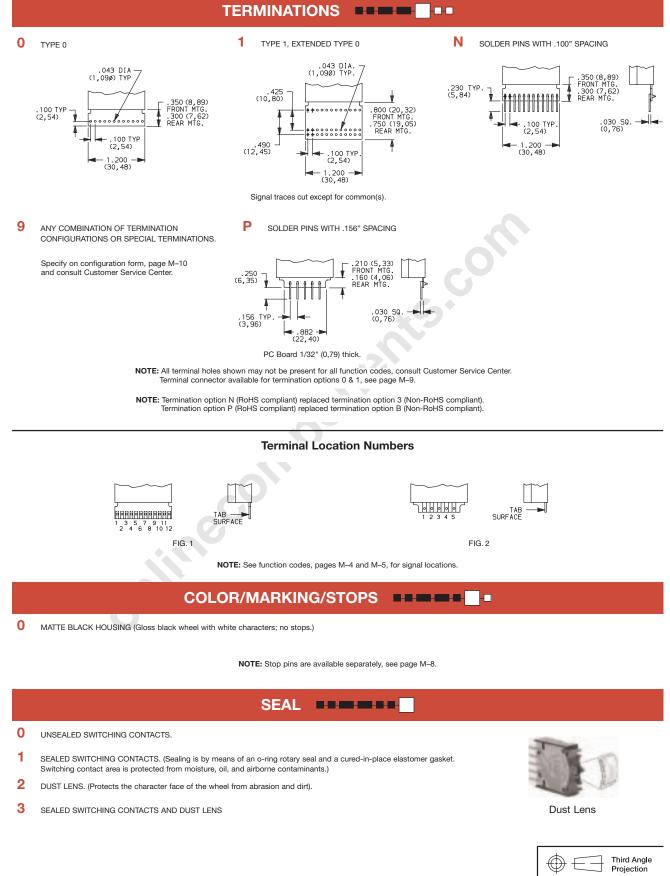


 $\bigcirc$ Projection Dimensions are shown: Inches (mm)

Third Angle

Specifications and dimensions subject to change

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Specifications and dimensions subject to change

Dimensions are shown: Inches (mm)

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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.					
		4006 4008					
PART NO. 413602000 W/RIB-BLACK	PART NO. 413502000 PLAIN-BLACK	PART NO. 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,	End plates, Front mount, Type 0	End plates, Rear mount, Type 1					
4734 4733 PART NO. 473402000 W/RIB-BLACK	Con						
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					
	I	Dimensions are shown: Inches (m Specifications and dimensions subject to char					
	M–8	www.ck-components.co					

M-8

Z 时 Thumbwheel & Pushwheel

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# **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	FRONT MOUNTING	REAR MOUNTING						
(0-80 UNF THD. SIZE)	MTG. STYLE - 00	MTG. STYLE – 10						
412700000	1–2	1–2						
412701000	3–4	3						
412702000	5–7	4–6						

Thumbwheel & Pushwheel



Two nuts required per assembly and screws.

PART NO. 403500000

Nut

Nut driver (For 403500000 nut)



PART NO. 406100652





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

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COMPANY NAME												CUSTOME	_ ۲۲	
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											-			
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	2	3 –												
	3	3 –								]				
4	4	3 –								]				
5	5	3 –			-					]				
6	6	3 –			•					]				
	7	3 –								]				
	8	3 –								]				
9	9	3 –			•					]				
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