Features/Benefits

- Most complete product offering in the industry
- Spacers available to fit most panel cutouts
- Front or rear mounting options

Typical Applications

- 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.

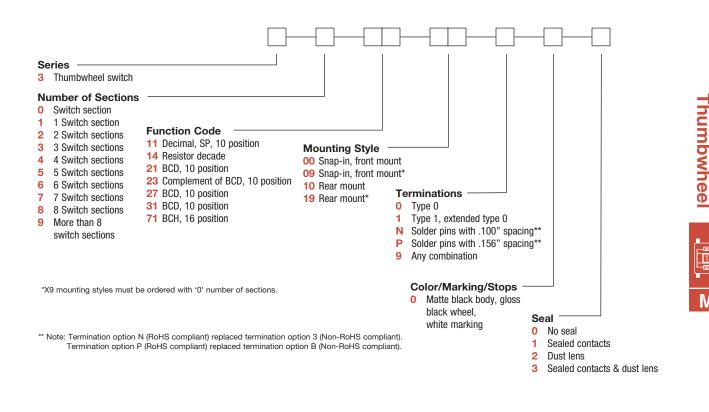
ROTOR CONTACTS: Precious metal on copper alloy. STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

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

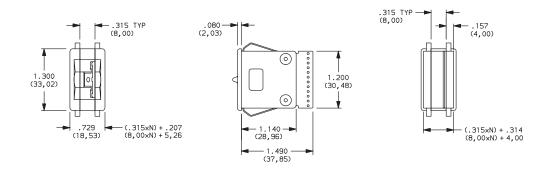
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages M–4 thru M–10. For additional options not shown in catalog, consult Customer Service Center. Consult factory for illumination availability.





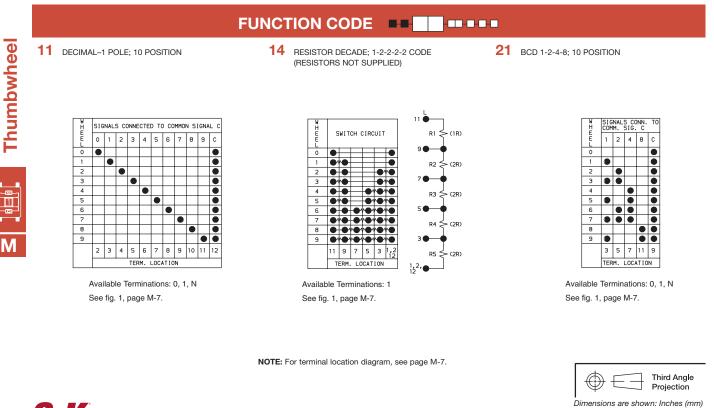
SERIES -----

3 THUMBWHEEL SWITCHES



NUMBER OF SECTIONS

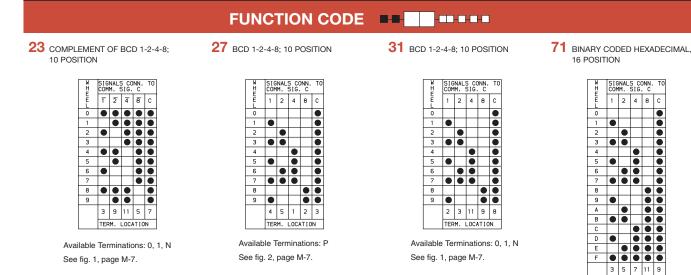
- 0 Switch section only, no assembly. Blank bodies are considered sections; endplates are not sections. Must be ordered with 09 or 19 mounting style options, see pages M-5 and M-6.
- 1-8 Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION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



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

TERM. LOCATION

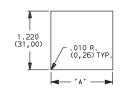
NOTE: For terminal location diagram, see page M-7.

MOUNTING STYLE

Type 0 Snap-In Front Mount

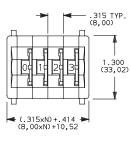
MOUNTING STYLE	DIM. 'A'			
00	(.315 x N) + .326 (8,00 x N) + (8,28)			
N = Nur	nber of sections.			

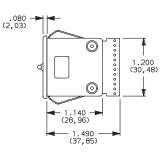
Recommended panel thickness: 0.46-.125 (1,16-3,18)

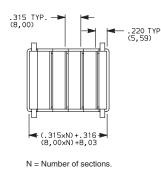


PANEL MOUNTING

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







Thumbwheel

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





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

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M–5

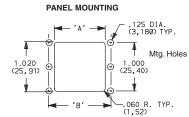


MOUNTING STYLE

Type 1 Rear Mount

MOUNTING STYLE	DIM. 'A'	DIM. 'B'
10	(.350 x N) + .340 (8,89 x N) + (8,64)	(.350 x N) + .560 (8,89 x N) + (14,22)

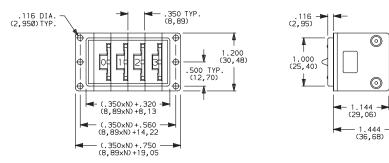
N = Number of sections. Recommended panel thickness: 0.46-.125 (1,16-3,18)

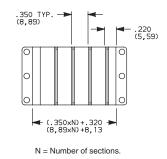


1.200 (30,48)

000000

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.)

 ${\bf NOTE:}$ Endplates, blank sections, spacers and assembly hardware available separately, see pages M–8 and M–9.

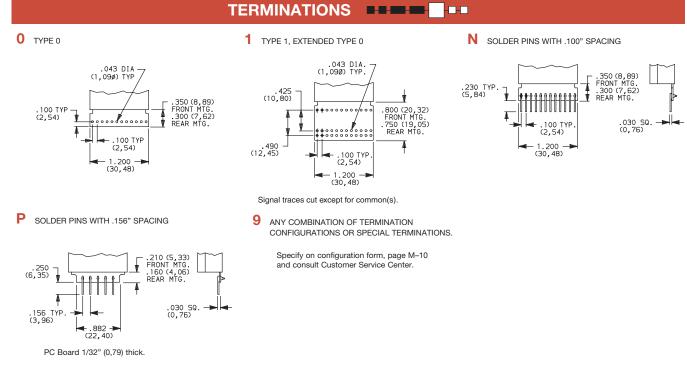




Dimensions are shown: Inches (mm) Specifications and dimensions subject to change

www.ckswitches.com

M–6



NOTE: All terminal holes shown may not be present for all function codes, consult Customer Service Center. Terminal connector available for termination options 0 & 1, see page M–9.

NOTE: Termination option N (RoHS compliant) replaced termination option 3 (Non-RoHS compliant). Termination option P (RoHS compliant) replaced termination option B (Non-RoHS compliant).

Terminal Location Numbers



NOTE: See function codes, pages M-4 and M-5, for signal locations.

COLOR/MARKING/STOPS

0 MATTE BLACK HOUSING (Gloss black wheel with white characters; no stops.)

NOTE: Stop pins are available separately, see page M-8.

SEAL _______
UNSEALED SWITCHING CONTACTS.
SEALED SWITCHING CONTACTS. (Sealing is by means of an o-ring rotary seal and a cured-in-place elastomer gasket. Switching contact area is protected from moisture, oil, and airborne contaminants.)
DUST LENS. (Protects the character face of the wheel from abrasion and dirt).
SEALED SWITCHING CONTACTS AND DUST LENS
Dust Lens



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

Projection

Thumbwhee

Μ

	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, .350 THK.	End plates, Front mount, Type 0	End plates, Rear mount, Type 1
Image: Note of the second se	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
<image/>	PART NO. 410802000 BLACK	PART NO. 402900000
		Dimensions are shown: Inches (mm)
6 Mar 20	M-8	Specifications and dimensions subject to change www.ckswitches.com

Thumbwheel



AVAILABLE HARDWARE

Terminal connector



605A00000



 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							

Nut



Two nuts required per assembly and screws.

PART NO. 403500000



406100652



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							GUI EAS TO E										
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ADDRESS	S						TEI	# _						REV	ISION		
CUSTOME	ER CON	TACT					DA	TE _						DET	AILS:		
ORIGINAT	ED BY						SA	LES	REP.								
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F			2	3 –				-				1					
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Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change