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.

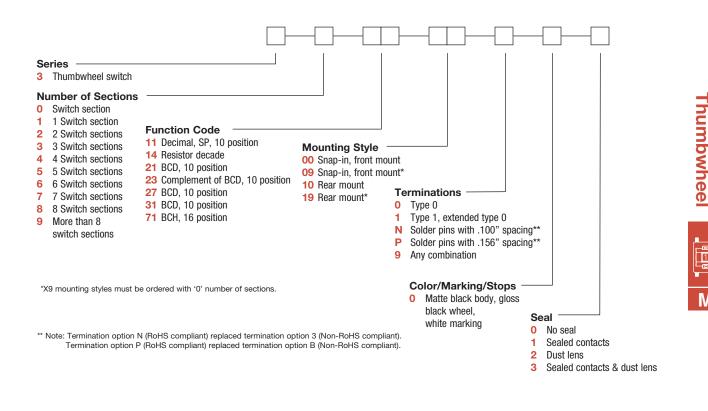
ROTOR CONTACTS: Precious metal on copper alloy. STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

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.

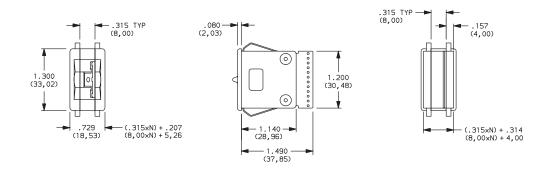




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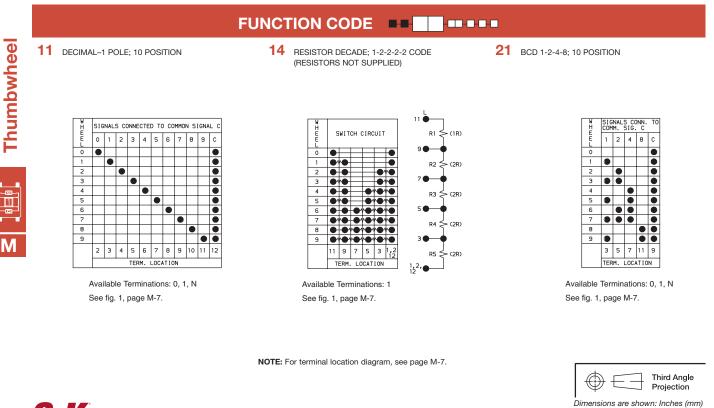
SERIES -----

3 THUMBWHEEL SWITCHES



NUMBER OF SECTIONS

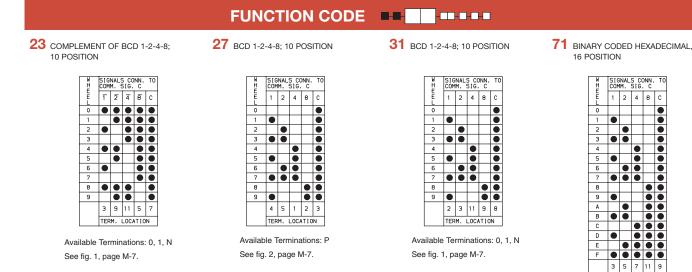
- 0 Switch section only, no assembly. Blank bodies are considered sections; endplates are not sections. Must be ordered with 09 or 19 mounting style options, see pages M-5 and M-6.
- 1-8 Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION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



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

6 Mar 20

Specifications and dimensions subject to change



TERM. LOCATION Available Terminations: 0, 1, N

See fig. 1, page M-7.

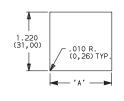
NOTE: For terminal location diagram, see page M-7.

MOUNTING STYLE

Type 0 Snap-In Front Mount

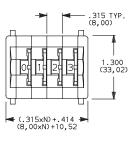
MOUNTING STYLE	DIM. 'A'
00	(.315 x N) + .326 (8,00 x N) + (8,28)
N = Nur	nber of sections.
-	

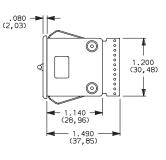
Recommended panel thickness: 0.46-.125 (1,16-3,18)

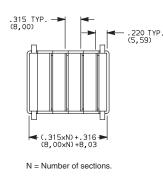


PANEL MOUNTING

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

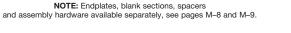






Thumbwhee

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

6 Mar 20

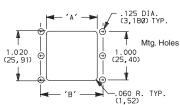
M-5

MOUNTING STYLE

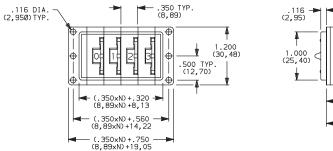
Type 1 Rear Mount

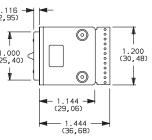
MOUNTING STYLE	DIM. 'A'	DIM. 'B'
10	(.350 x N) + .340 (8,89 x N) + (8,64)	(.350 x N) + .560 (8,89 x N) + (14,22)

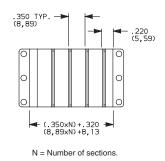
N = Number of sections. Recommended panel thickness: 0.46-.125 (1,16-3,18)



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



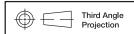




19 SWITCH SECTION ONLY–UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option "0", see Page M–4.)

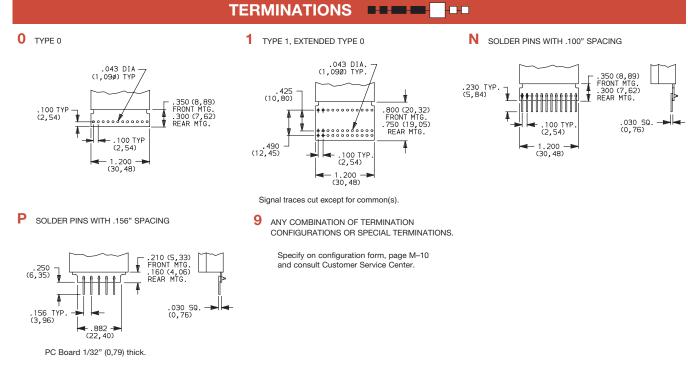
 ${\bf NOTE:}$ Endplates, blank sections, spacers and assembly hardware available separately, see pages M–8 and M–9.





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

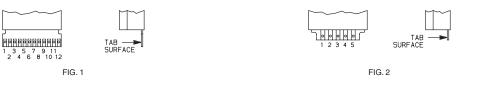
PANEL MOUNTING



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 DESCRIPTION OF CONTACTS.
UNSEALED 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



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

Third Angle Projection Thumbwhee

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6 Mar 20 Specifications and dimensions subject to change										
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Makes section pitch 10mm) (Makes section pitch 1	PART NO. 473402000 W/RIB-BLACK	413402000 BLACK Two required for	400402003 BLACK Two required for							
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Dimensions are shown: Inches (mm, Specifications and dimensions subject to change)	473202003 BLACK Two required for									
6 Mar 20 Specifications and dimensions subject to change	ouripiete deseriory.									
M-8 www.ckswitches.com	6 Mar 20		Dimensions are shown: Inches (mm) Specifications and dimensions subject to change www.ckswitches.com							

Thumbwheel

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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



								gu EAS TO B												C&K F
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Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

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 620HA042XM13
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 620HS011NF21
 620HS038NF11

 620HS038Z121
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 620HS042XW13
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 630J041M06H
 630J041M20H
 637S010NF0212H
 640830-000
 659943-000
 66241-10A
 CW0597-000

 CW0598-000
 CW0948-000
 CY0122-000
 M85049/41-6A W/B
 M85049/42-12DS
 M85049/47N8
 M85049/47W18
 M85049/51-1-14S

 M85049/51-1-8W
 M85049/51S16S
 M85049/60-1N16
 M85049/60-2G12W
 M85049/69-11N
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