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.

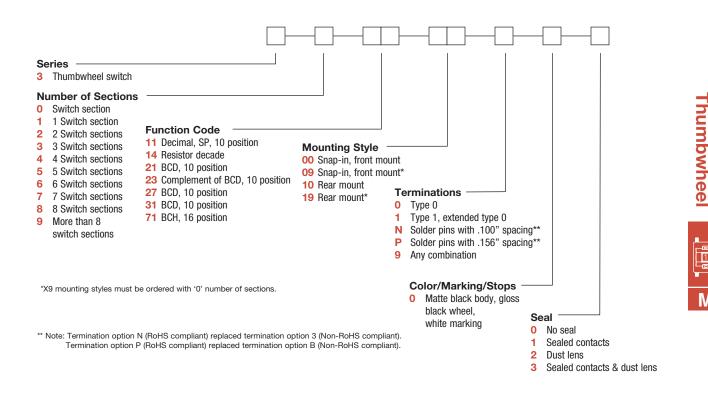
ROTOR CONTACTS: Precious metal on copper alloy. STATOR CONTACTS: Hard gold over nickel over copper on epoxy fiberglass.

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.

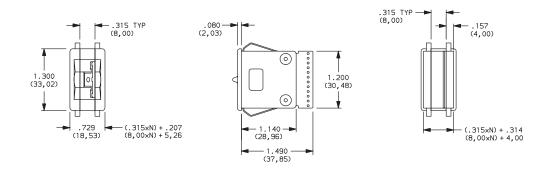




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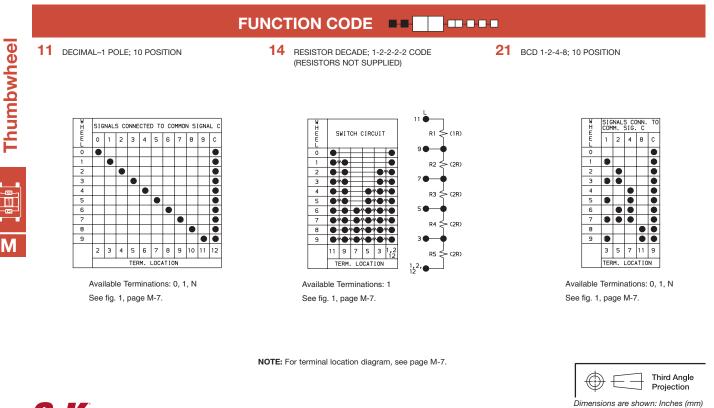
SERIES -----

3 THUMBWHEEL SWITCHES



NUMBER OF SECTIONS

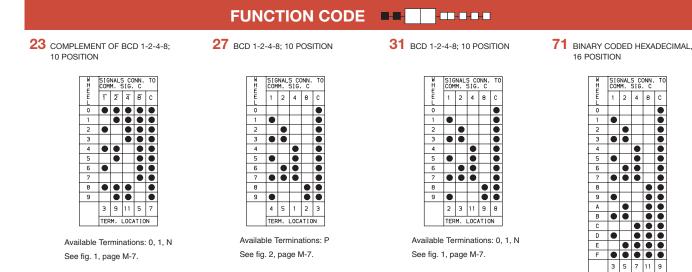
- 0 Switch section only, no assembly. Blank bodies are considered sections; endplates are not sections. Must be ordered with 09 or 19 mounting style options, see pages M-5 and M-6.
- 1-8 Number of switch sections in assembly, includes endplates.
- 9 More than 8 switch sections, specify on CONFIGURATION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

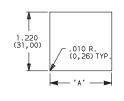
NOTE: For terminal location diagram, see page M-7.

MOUNTING STYLE

Type 0 Snap-In Front Mount

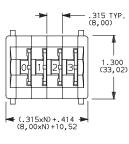
MOUNTING STYLE	DIM. 'A'
00	(.315 x N) + .326 (8,00 x N) + (8,28)
N = Nur	nber of sections.
-	

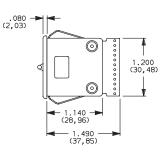
Recommended panel thickness: 0.46-.125 (1,16-3,18)

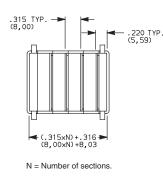


PANEL MOUNTING

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

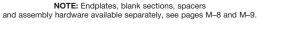






Thumbwhee

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

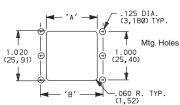
M-5

MOUNTING STYLE

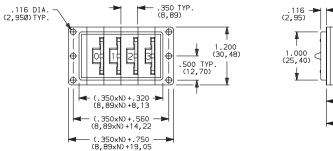
Type 1 Rear Mount

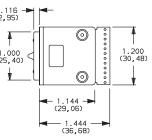
MOUNTING STYLE	DIM. 'A'	DIM. 'B'
10	(.350 x N) + .340 (8,89 x N) + (8,64)	(.350 x N) + .560 (8,89 x N) + (14,22)

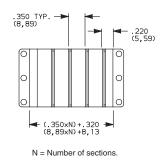
N = Number of sections. Recommended panel thickness: 0.46-.125 (1,16-3,18)



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



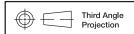




19 SWITCH SECTION ONLY–UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option "0", see Page M–4.)

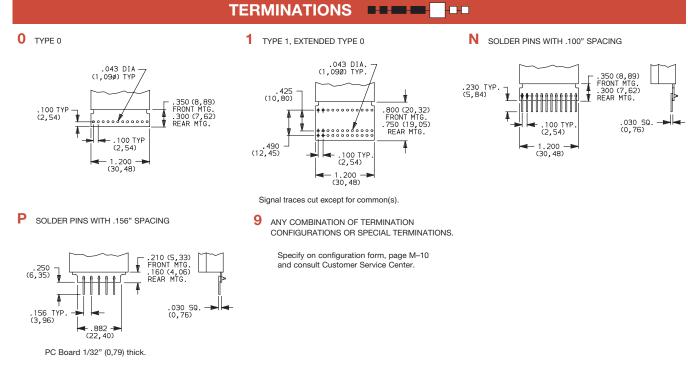
 ${\bf NOTE:}$ Endplates, blank sections, spacers and assembly hardware available separately, see pages M–8 and M–9.





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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SS THK. I A CANARA AND A CANARA	400502000 W/RIB & W/OUT SPRINGS-BLACK	400702000 PLAIN & W/OUT SPRINGS-BLACK	400802000 PLAIN-BLACK							
PART NO. 473402000 W/RIB-BLACK PART NO. 13402200 BLACK PART NO. 13402200 BLACK PART NO. 00040203 BLACK PART NO. 00040203 BLACK PART NO. 00040203 BLACK Tor required for 00040203 BLACK Tor required for 00040203 BLACK Tor required for 00040203 BLACK Tor required for 00040203 BLACK Stop pins End plates, Rear mount, Type 2 Spacers, Front mount, Type 0 & 3, 078 THK. Makes section pitch 10mm Stop pins Image: Complete assembly Image: Complete assembly <td>Blank sections, Rear mount, Type 2, .350 THK.</td> <td>End plates, Front mount, Type 0</td> <td>End plates, Rear mount, Type 1</td>	Blank sections, Rear mount, Type 2, .350 THK.	End plates, Front mount, Type 0	End plates, Rear mount, Type 1							
Makes section pitch 10mm) (Makes section pitch 1	PART NO. 473402000 W/RIB-BLACK	413402000 BLACK Two required for	400402003 BLACK Two required for							
473202003 BLACK Two required for complete assembly. 410802000 BLACK 402900000 Control of Mar 20 6 Mar 20 6 Mar 20 Dimensions are shown: Inches (mm, Specifications and dimensions subject to change and the shown: Specifications and dimensions subject to change and the shown are shown: Inches (mm, Specifications and dimensions subject to change and the shown are	End plates, Rear mount, Type 2	Spacers, Front mount, Type 0 & 3, .078 THK. (Makes section pitch 10mm)	Stop pins							
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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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 DPS8L2
 DPS8L2

 1437603-7
 SH6131AL2
 GO 51 WF
 312200000
 B5LS
 B9LS
 5034CR
 3-1437603-8
 C2K0-P107
 DGBN-036-B
 DPS10131AK

 DPS8141AK2
 DPS910A2
 DPS9131AK
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 SH6SSG1253
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 SP1.5
 DPS8111AK2
 SMCDE131AK2
 PICODHSGB122
 TW01RED14
 TW01BLU14
 84212014

 84212013
 HTWF-1A12A21
 84212005
 301109100
 302109002
 302329N00
 311100001
 312100100