## C\&K 3 Series

Thumbwheel Switches


## Features/Benefits

## Typical Applications

- Most complete product offering in the industry - Test \& measurement equipment
- Spacers available to fit most panel cutouts - Industrial equipment
- Front or rear mounting options
- Computer devices
- Illuminated models available


## 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 $100 \mathrm{~m} \Omega$ typ. initial @
2-4 V DC, 100 mA .
INSULATION RESISTANCE: $10^{9} \Omega \mathrm{~min}$.
DIELECTRIC STRENGTH: 500 Vrms min. @ sea level between common terminal and any output.
OPERATING TEMPERATURE: $-10^{\circ} \mathrm{C}$ to $65^{\circ} \mathrm{C}$.

## 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.

## 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 $M-9$ thru $M-12$. For additional options not shown in catalog, consult Customer Service Center.
Consult factory for illumination availability.


[^0]
## SERIES $\square$ -

## 3 (STD.) thumbwheel switches



## NUMBER OF SECTIONS - $\square$ -

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-10 and M-11.

1-8 Number of switch sections in assembly, includes endplates.
9 More than 8 switch sections, specify on CONFIGURATION FORM, page M-15 and consult Customer Service Center.

## FUNCTION CODE $-\square \square \square+\square$

11 DECIMAL-1 POLE: 10 POSITION
14 Resistor decade; 1-2-2-2-2 Code (RESISTORS NOT SUPPLIED)

21 BCD 1-2-4-8; 10 POSITION


Available Terminations: 0,1,3
See fig. 1, page M-12.


Available Terminations: 1
See fig. 1, page M-12.


Available Terminations: $0,1,3$ See fig. 1, page M-12 Third Angle Projection

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NOTE: For terminal location diagram, see page M-12.

## MOUNTING STYLE

Type 0 Snap-In Front Mount


09 SWITCH SECTION ONLY-UNASSEMBLED WITHOUT ENDPLATES OR SPACERS
(Must be ordered with number of sections option " 0 ", see Page M-9.)

## MOUNTING STYLE

## Type 1 Rear Mount

| MOUNTING <br> STYLE | DIM. 'A' | DIM. 'B' |
| :---: | :---: | :---: |
| 10 | $(.350 \times N)+.340$ | $(.350 \times N)+.560$ |
| $(8,89 \times N)+(8,64)$ | $(8,89 \times N)+(14,22)$ |  |

$\mathrm{N}=$ 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-9.)

## 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-9.)

## Type 3 Snap1-in Front Mount

09 SWITCH SECTION ONLY-UNASSEMBLED WITHOUT ENDPLATES OR SPACERS (Must be ordered with number of sections option " 0 ", see Page M-9.)

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## Terminal Location Numbers



NOTE: See function codes, pages M-9 and M-10, for signal locations.

## COLOR/MARKING/STOPS

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

## NOTE: Stop pins are available separately, see page M-14.

## SEAL - 부룹ㅁ

0 (STD.) UNSEALED SWITCHING CONTACTS.
1
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.)
2
DUST LENS. (Protects the character face of the wheel from abrasion and dirt).


3 SEALED SWITCHING CONTACTS AND DUST LENS
Dust Lens


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## AVAILABLE HARDWARE

Terminal connector


605A00000


605A02000

PART NO.
605A00000 PC
605A02000 SOLDER LUG
Fits $0 \& 1$ terminations only.

## Nut

|  | Nut driver (For 403500000 nut) |
| :--- | :--- |

Two nuts required per assembly and screws.

PART NO.
403500000

Nut driver (For 403500000 nut)

PART NO.
406100652

C\&K 3 Series Thumbwheel Switches

## Configuration Form

GRAY SHADED AREAS TO BE FILLED IN BY CUSTOMER SERVICE.


## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for Switch Accessories category:
Click to view products by $\mathrm{C} \& \mathrm{~K}$ manufacturer:
Other Similar products are found below :
$\underline{896809000} \underline{01500} \underline{01010} \underline{01501}$ 7101MD9V30B 7103KZBE 7103P3YAVGE 7209MD9ABE 7209SY9AQE 7209SYCBE 7303KZQE F1302 F1403 $760201000764300000785105000785106000 \underline{789009000} \underline{7 T 0062} \underline{7 T 0073}$ MJ1216 MJ33 MJ612 849PT01A 91321314655637182-1-MEV A0107X A0141A A0141E A0142M2SP A0142N5 A0143G A0143H A0161G A0162A A0162F A019307



[^0]:    *X9 mounting styles must be ordered with '0' number of sections.

