

# C4 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

38.1 mm DIAMETER 0.5 AMP @ 28 VDC

The C4 Series provides a versatile, fully enclosed design, that helps keep dirt and moisture out of the contact area while locking in life time lubricants.



### SPECIFICATIONS

#### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load 0.5 amp @ 28 VDC; 0.3 amp @ 125 VAC.

**Current Carrying Capacity:** 15 amps.

**Dielectric Strength:** 1,000 VAC between current carrying parts and ground.

**Contact Resistance:** Average initial 3 milliohms.

**Insulation Resistance:** In excess of 10,000 megohms.

**Hardware:** Mounting nut and lockwasher are shipped assembled.

#### MECHANICAL

**Materials and Finishes:** All parts utilize non-corrosive materials as standard.

**Terminals and Contacts:** Brass with silver plate as standard.

**Insulation:** Diallyl phthalate.

**Index:** Dual-ball, hill and valley.

**Index Life:** 25,000 cycles minimum.

**Index Torque:** Switches have lowest practical torque consistent with crisp detenting and smooth, reliable operation.

**Index Angles:** 30° standard, 36°, 45°, 60°, and 90° available.

**Index Stops:** Fixed standard, adjustable or continuous available.

**Stop Strength:** 2.82 Nm minimum.

### STANDARD PART NUMBER

#### SOLDER LUG - ADJUSTABLE STOPS

SWITCHES - 30° INDEXING - STOPS SET @ 2 POS.

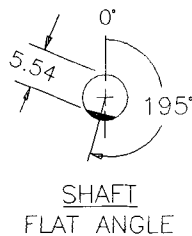
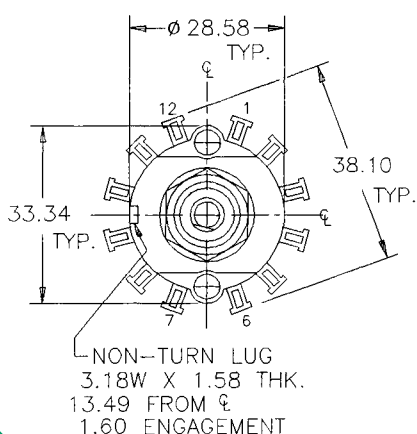
| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING     | NON-SHORTING | FIG. ★ |
|-------|------------------|-------------|--------------|--------------|--------------|--------|
| 01    | 02-12            | 1           | 1            | C4D0112S - A | C4D0112N - A | CA     |
| 02    | 02-06            | 2           | 1            | C4D0206S - A | C4D0206N - A | CH     |
| 02    | 02-12            | 1           | 2            | C4D0212S - A | C4D0212N - A | CA     |
| 03    | 02-12            | 1           | 3            | C4D0312S - A | C4D0312N - A | CA     |
| 03    | 02-04            | 3           | 1            | C4D0304S - A | C4D0304N - A | CK     |
| 04    | 02-12            | 1           | 4            | C4D0412S - A | C4D0412N - A | CA     |
| 04    | 02-06            | 2           | 2            | C4D0406S - A | C4D0406N - A | CH     |
| 05    | 02-12            | 1           | 5            | C4D0512S - A | C4D0512N - A | CA     |

| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING     | NON-SHORTING | FIG. ★ |
|-------|------------------|-------------|--------------|--------------|--------------|--------|
| 06    | 02-06            | 2           | 3            | C4D0606S - A | C4D0606N - A | CH     |
| 06    | 02-04            | 3           | 2            | C4D0604S - A | C4D0604N - A | CK     |
| 06    | 02-12            | 1           | 6            | C4D0612S - A | C4D0612N - A | CA     |
| 08    | 02-06            | 2           | 4            | C4D0806S - A | C4D0806N - A | CH     |
| 09    | 02-04            | 3           | 3            | C4D0904S - A | C4D0904N - A | CK     |
| 10    | 02-06            | 2           | 5            | C4D1006S - A | C4D1006N - A | CH     |
| 12    | 02-04            | 3           | 4            | C4D1204S - A | C4D1204N - A | CK     |
| 15    | 02-04            | 3           | 5            | C4D1504S - A | C4D1504N - A | CK     |

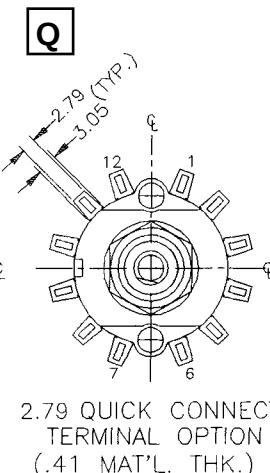
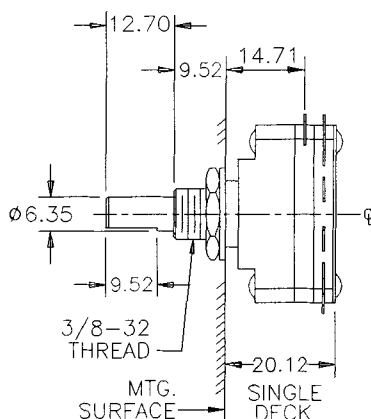
\* FIGURES ARE SHOWN ON PAGE 55.

### DIMENSIONS

#### C4D STANDARD CONSTRUCTION



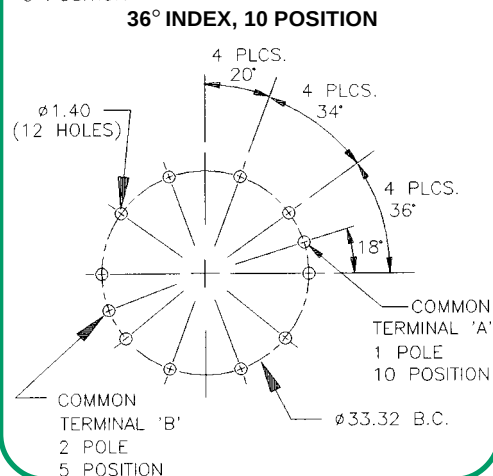
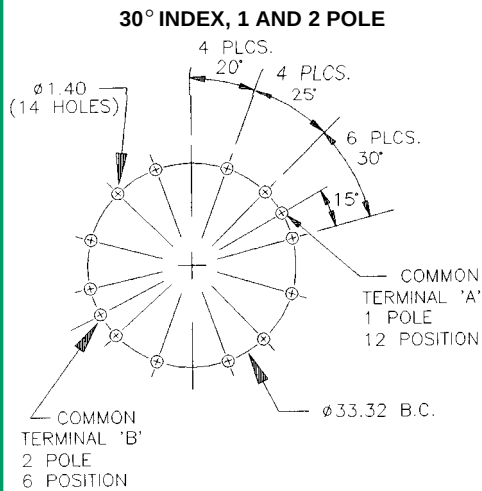
- NOTE:
- ONE DECK EQUALS TWO WAFERS.
  - ADD 7.21 FOR EACH ADDITIONAL DECK.



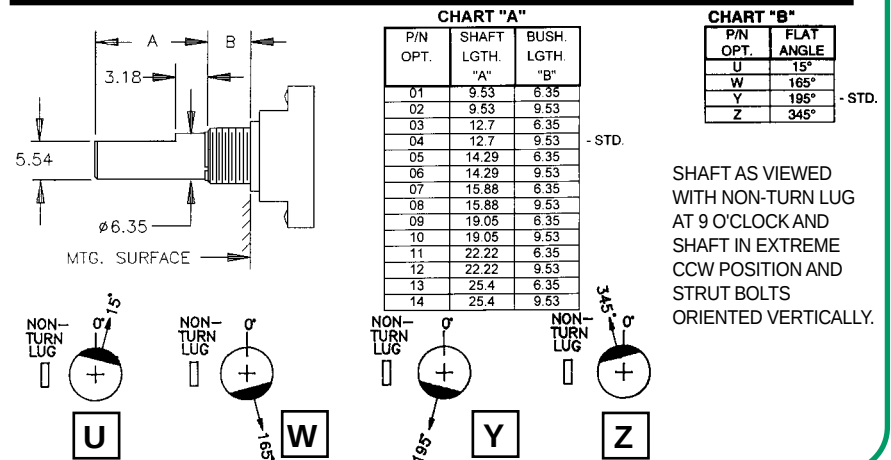
## How to Order Additional Options:

| 2 DIGIT SERIES                                        | INSULATION TYPE | TOTAL POLES          | ACTIVE POSITIONS                                                                       | CONTACT TYPE                     | TERMINAL TYPE                                                                              | INDEX ANGLE                     | STOP TYPE                                                  | SHAFT/ BUSHING       | SHAFT FLAT           |
|-------------------------------------------------------|-----------------|----------------------|----------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------|----------------------|----------------------|
| C4                                                    | D - DIALLYL     | 01 - MIN.            | 12 - MAX @ 30°<br>10 - MAX @ 36°<br>08 - MAX @ 45°<br>06 - MAX @ 60°<br>04 - MAX @ 90° | S - SHORTING<br>N - NON SHORTING | L - SOLDER LUG<br>P - FRONT P.C.<br>R - REAR P.C.<br>(30° & 36° ONLY)<br>Q - QUICK CONNECT | 30°<br>36°<br>45°<br>60°<br>90° | F - FIXED<br>A - ADJ.<br>(30°, 60°, 90° ONLY)<br>C - CONT. | SEE CHART "A"        | SEE CHART "B"        |
| CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS |                 |                      |                                                                                        |                                  | ADDITIONAL OPTIONS                                                                         |                                 |                                                            |                      |                      |
| <b>C</b> <b>4</b>                                     | <b>D</b>        | <input type="text"/> | <input type="text"/>                                                                   | <input type="text"/>             | <input type="text"/>                                                                       | <input type="text"/>            | <input type="text"/>                                       | <input type="text"/> | <input type="text"/> |
|                                                       |                 | (SPECIFY)            | (SPECIFY)                                                                              | (SPECIFY)                        | (SPECIFY)                                                                                  | (SPECIFY)                       | (SPECIFY)                                                  | (SPECIFY)            | (SPECIFY)            |

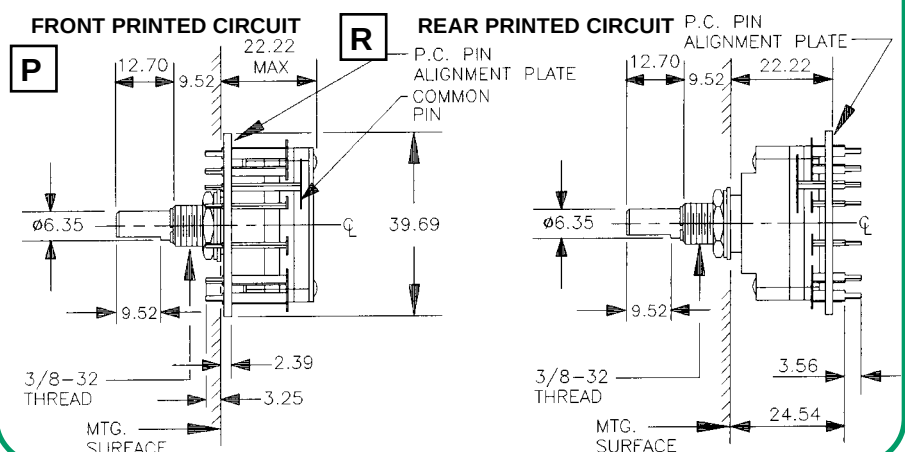
### PRINTED CIRCUIT BOARD HOLE PATTERNS



### SHAFT, BUSHING, AND FLAT OPTIONS



### PRINTED CIRCUIT BOARD TERMINAL OPTIONS



CUSTOM SWITCHES ARE AVAILABLE. CONTACT THE FACTORY WITH YOUR COMPLETE SPECIFICATIONS.

# Mouser Electronics

Authorized Distributor

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## Electroswitch:

[C4D0406N-A](#) [C4D0103N-60](#) [C4D0412N-A](#) [C4D1204N-A](#) [C4D0312S-A](#) [C4D0806N-A](#) [C4D0606N-A](#) [C4D0304N-A](#)  
[C4D2704N](#) [C4D0312N-A](#) [C4D0604N-A](#) [C4D0904N-A](#) [C4D0112N-A](#) [C4D2005S](#) [C4D0112S-A](#) [C4D1504S-A](#)  
[C4D0304N-0421](#) [C4D0103N-90](#) [C4D0402N-60W](#) [C4D0806S-A](#) [C4D0116N22C](#) [C4D0412S-A](#) [C4D0604S-A](#)  
[C4D0104S-Q6010U](#) [C4D0406S-A](#) [C4D0304S-A](#) [C4D0103N-9912](#) [C4D0115N-4471](#) [C4D1504N-A](#) [C4D1006S-A](#)  
[C4D0606S-A](#) [C4D0512N-A](#) [C4D0512S-A](#) [C4D0904S-A](#) [C4D1204S-A](#) [C4D0612S-A](#) [C4D0204S-60-A](#) [C4D3702N-](#)  
[QW](#) [C4D0305S-1101](#) [C4D0105N-9525](#) [C4D3005N-0809](#) [C4D0603N-60](#) [C4D0406S-4045](#) [C4D7802N](#)