

# C2/C3 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

0.82 / 1.2" WIDE 0.25 AMP @ 28 VDC

The C2/C3 Series offers an 8 position and a 12 position vertical P.C. board mountable design. Standard designs utilize a 30° index angle and polyester insulation.



### SPECIFICATIONS

#### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load  
0.25 amp @ 28 VDC; 0.1 amp @ 125 VAC.  
**Current Carrying Capacity:** 6 amps.  
**Dielectric Strength:** 1,000 VAC between current carrying parts and ground.  
**Contact Resistance:** Average initial 30 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:** Polyester.  
**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:** Positive 30° standard, 60°, and 90° available.  
**Index Stops:** Fixed standard, adjustable, or continuous available.  
**Stop Strength:** 8 in. lbs. minimum.

### STANDARD PART NUMBER

#### C2 - 8 PIN CONSTRUCTION

SWITCHES - 30° INDEXING

ADJUSTABLE STOPS SET @ 2 POS. - P.C. TERMINALS

| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING     | NON-SHORTING | FIG. * |
|-------|------------------|-------------|--------------|--------------|--------------|--------|
| 01    | 02-08            | 1           | 1            | C2P0108S - A | C2P0108N - A | CD     |
| 02    | 02-08            | 1           | 2            | C2P0208S - A | C2P0208N - A | CD     |
| 02    | 02-04            | 2           | 1            | C2P0204S - A | C2P0204N - A | CI     |
| 03    | 02-08            | 1           | 3            | C2P0308S - A | C2P0308N - A | CD     |
| 04    | 02-04            | 2           | 2            | C2P0404S - A | C2P0404N - A | CI     |
| 04    | 02-08            | 1           | 4            | C2P0408S - A | C2P0408N - A | CD     |
| 05    | 02-08            | 1           | 5            | C2P0508S - A | C2P0508N - A | CD     |
| 06    | 02-04            | 2           | 3            | C2P0604S - A | C2P0604N - A | CI     |

#### C3 - 12 PIN CONSTRUCTION

SWITCHES - 30° INDEXING

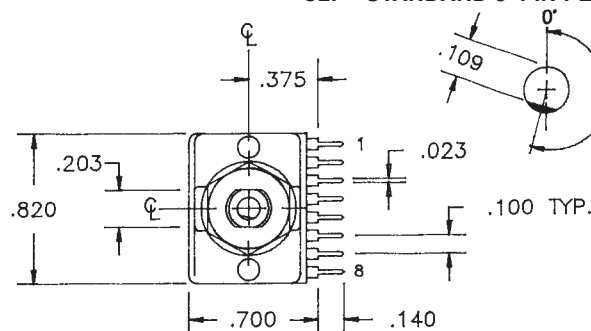
ADJUSTABLE STOPS SET @ 2 POS. - P.C. TERMINALS

| POLES | ACTIVE POSITIONS | POLES/ DECK | NO. OF DECKS | SHORTING     | NON-SHORTING | FIG. * |
|-------|------------------|-------------|--------------|--------------|--------------|--------|
| 01    | 02-12            | 1           | 1            | C3P0112S - A | C3P0112N - A | CA     |
| 02    | 02-12            | 1           | 2            | C3P0212S - A | C3P0212N - A | CA     |
| 02    | 02-06            | 2           | 1            | C3P0206S - A | C3P0206N - A | CH     |
| 03    | 02-04            | 3           | 1            | C3P0304S - A | C3P0304N - A | CK     |
| 03    | 02-12            | 1           | 3            | C3P0312S - A | C3P0312N - A | CA     |
| 04    | 02-06            | 2           | 2            | C3P0406S - A | C3P0406N - A | CH     |
| 04    | 02-12            | 1           | 4            | C3P0412S - A | C3P0412N - A | CA     |
| 06    | 02-04            | 3           | 2            | C3P0604S - A | C3P0604N - A | CK     |

\* FIGURES ARE SHOWN ON PAGE 55.

### C2 - DIMENSIONS - 8 PIN DESIGN

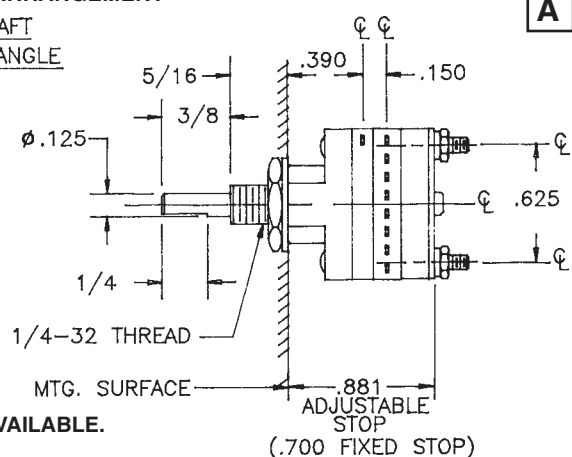
#### C2P - STANDARD 8-PIN PER DECK ARRANGEMENT



#### NOTE:

- ONE DECK EQUALS TWO WAFERS.
- ADD .300" FOR EACH ADDITIONAL DECK.

1/4" DIAMETER SHAFTS ARE AVAILABLE.  
CONTACT FACTORY.



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UNIT OF ELECTRO SWITCH CORP.

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## ADDITIONAL OPTIONS AND ORDERING INFORMATION

# C2/C3 - SERIES

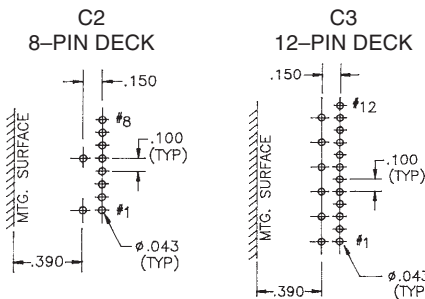
## How to Order Additional Options:

| 2 DIGIT SERIES | INSULATION TYPE | TOTAL POLES | ACTIVE POSITIONS                                   | CONTACT TYPE                     | TERMINAL TYPE | INDEX ANGLE       | STOP TYPE                          | SHAFT/ BUSHING | SHAFT FLAT    |
|----------------|-----------------|-------------|----------------------------------------------------|----------------------------------|---------------|-------------------|------------------------------------|----------------|---------------|
| C2             | P-POLYESTER     | 01 - MIN.   | 08 - MAX @ 30°<br>04 - MAX @ 60°<br>03 - MAX @ 90° | N - NON SHORTING<br>S - SHORTING |               | 30°<br>60°<br>90° | F - FIXED<br>C - CONT.<br>A - ADJ. | SEE CHART "A"  | SEE CHART "B" |
| C3             | P-POLYESTER     | 01 - MIN.   | 12 - MAX @ 30°<br>06 - MAX @ 60°<br>04 - MAX @ 90° | N - NON SHORTING<br>S - SHORTING |               |                   |                                    |                |               |

| CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS |                      |                      |                      | ADDITIONAL OPTIONS   |                      |                      |                      |
|-------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/>                                  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|                                                       | <b>P</b>             | (SPECIFY)            | (SPECIFY)            | (SPECIFY)            | (SPECIFY)            | (SPECIFY)            | (SPECIFY)            |

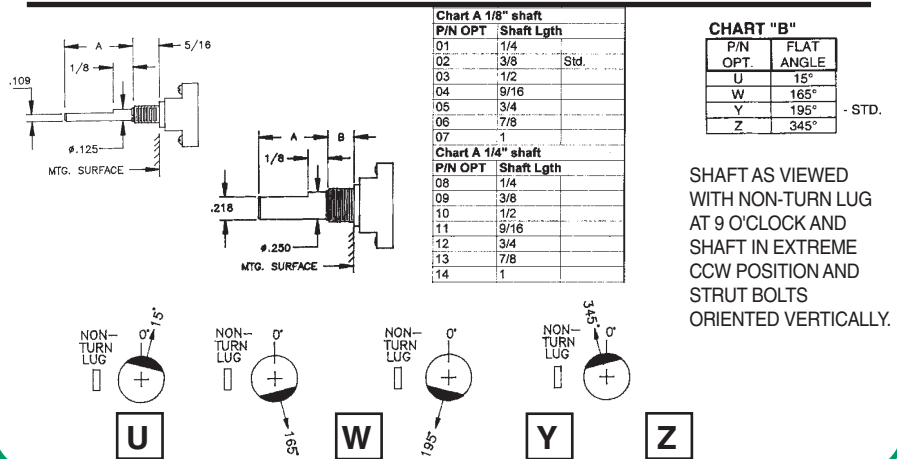
### PRINTED CIRCUIT BOARD PATTERN



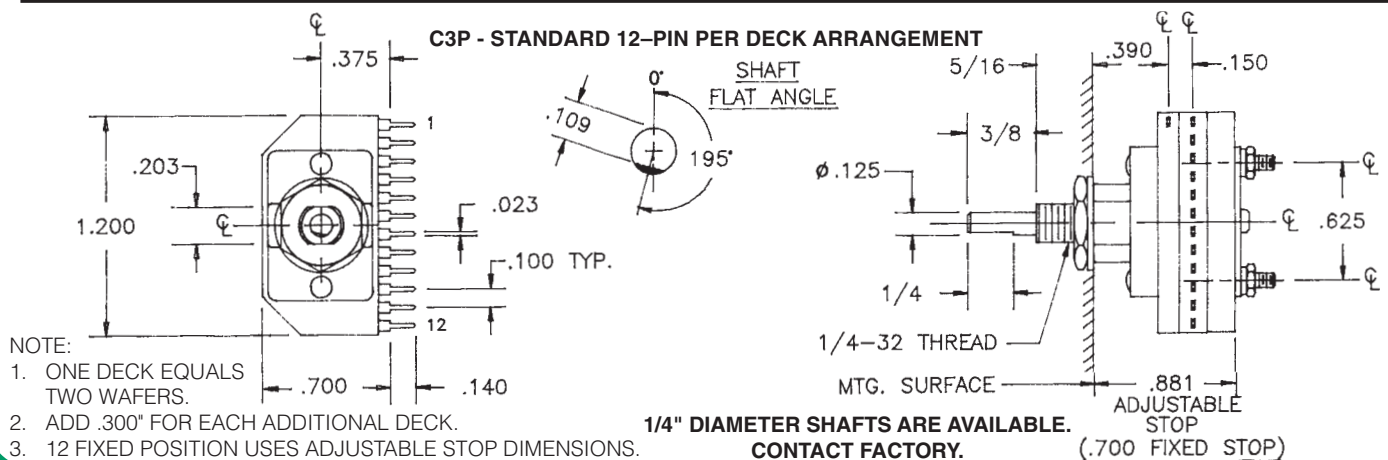
#### NOTES:

1. The **standard** spacing for the 1/8" dia. shaft from the first row of terminals to the mounting surface is .390 in.
2. The **standard** spacing for the 1/4" dia. shaft from the first row of terminals to the mounting surface is .481 in.

### SHAFT AND FLAT OPTIONS



### C3 - DIMENSIONS - 12 PIN DESIGN



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