

# C2/C3 - SERIES

20.83 mm WIDE 0.25 AMP @ 28 VDC

## SPECIFICATIONS AND ORDERING INFORMATION

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:** 0.9 Nm 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

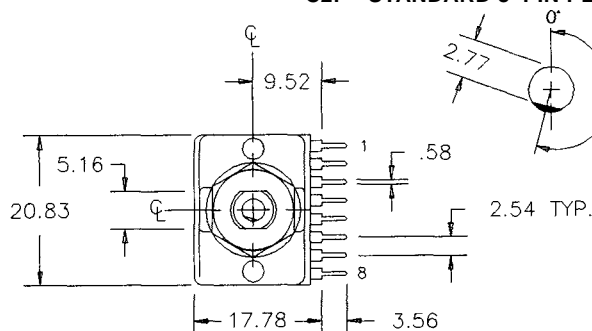
SWITCHES - 30° INDEXING  
 ADJUSTABLE STOPS SET @ 2 POS. - P.C. TERMINALS

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

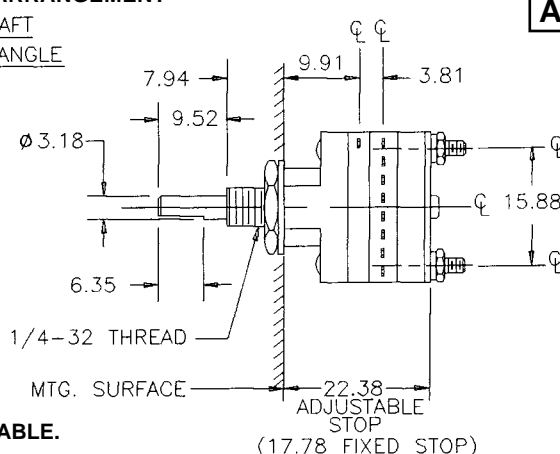
#### C2P - STANDARD 8-PIN PER DECK ARRANGEMENT



NOTE:

- ONE DECK EQUALS TWO WAFERS.
- ADD 7.62 FOR EACH ADDITIONAL DECK.

6.35 DIAMETER SHAFTS ARE AVAILABLE.  
 CONTACT FACTORY.



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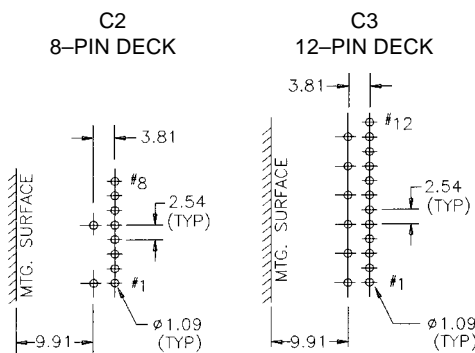
## How to Order Additional Options:

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° 04 - MAX @ 60° 03 - MAX @ 90°	N - NON SHORTING S - SHORTING		30° 60° 90°	F - FIXED C - CONT. A - ADJ.	SEE CHART "A"	SEE CHART "B"
C3	P-POLYESTER	01 - MIN.	12 - MAX @ 30° 06 - MAX @ 60° 04 - MAX @ 90°	N - NON SHORTING S - SHORTING					

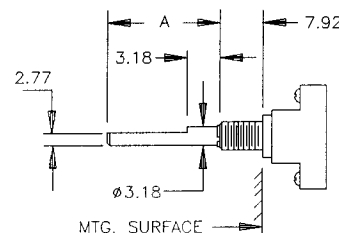
  

CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS				ADDITIONAL OPTIONS			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<b>P</b>	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)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

### PRINTED CIRCUIT BOARD PATTERN



### SHAFT AND FLAT OPTIONS



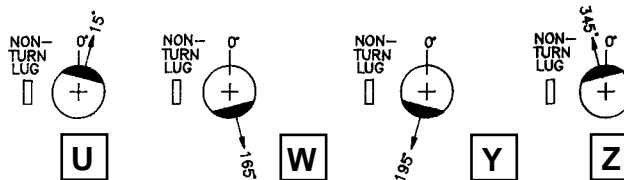
**CHART "A"**

P/N OPT.	SHAFT LGTH. "A"
01	6.35
02	9.53
03	12.7
04	14.29
05	19.05
06	22.23
07	25.4

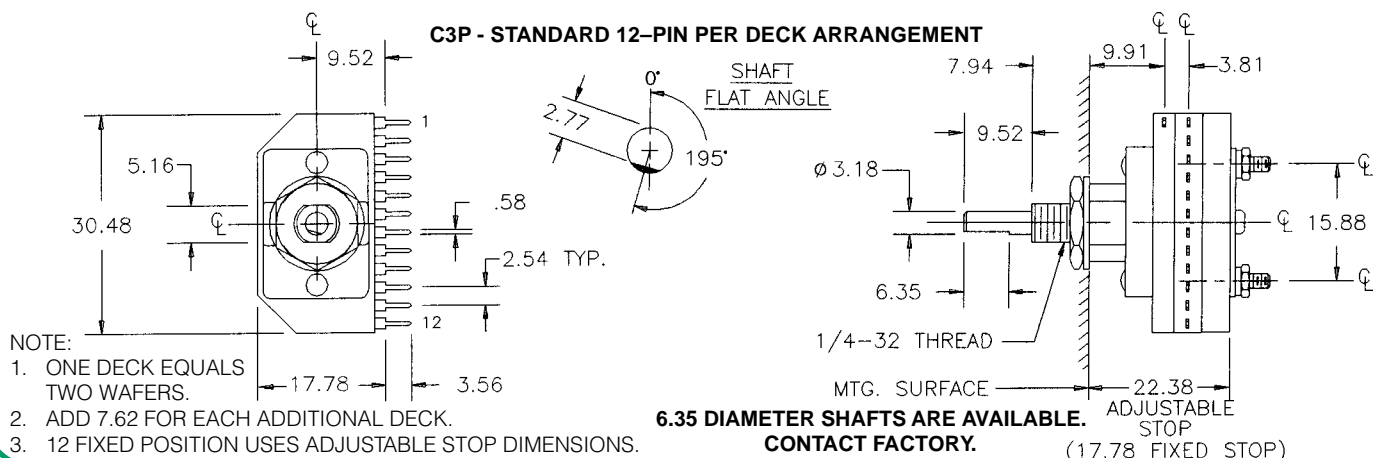
**CHART "B"**

P/N OPT.	FLAT ANGLE
U	15°
W	165°
Y	195°
Z	345°

SHAFT AS VIEWED  
WITH NON-TURN LUG  
AT 9 O'CLOCK AND  
SHAFT IN EXTREME  
CCW POSITION AND  
STRUT BOLTS  
ORIENTED VERTICALLY.



### C3 - DIMENSIONS - 12 PIN DESIGN



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

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