

# 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

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

### SWITCHES - 30° INDEXING

ACTIVE POLES	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

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

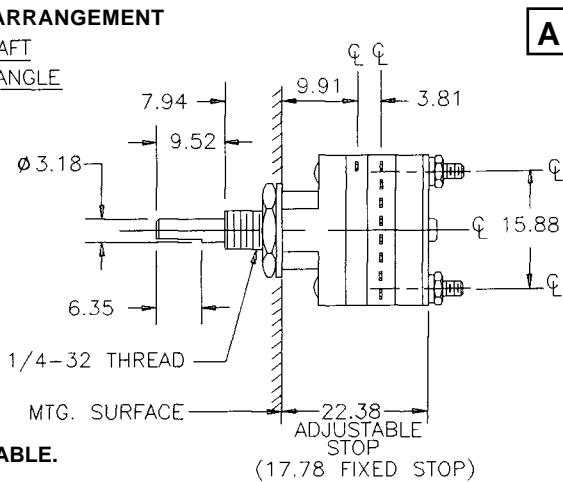
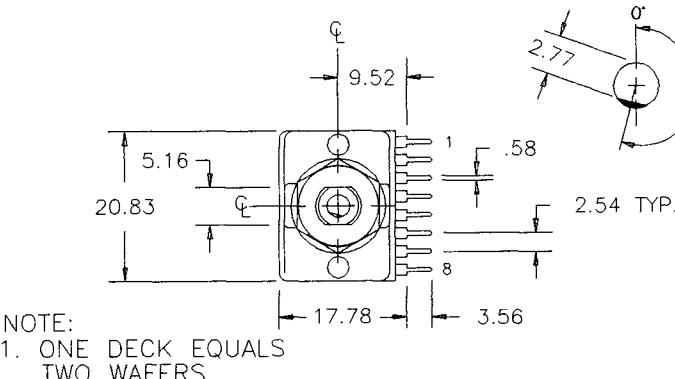
### SWITCHES - 30° INDEXING

ACTIVE POLES	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



6.35 DIAMETER SHAFTS ARE AVAILABLE.  
CONTACT FACTORY.

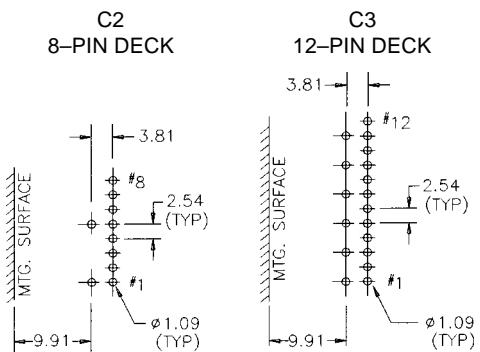


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2010 Yonkers Road, Raleigh, NC 27604

## 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.		
C3	P-POLYESTER	01 - MIN.	12 - MAX @ 30° 06 - MAX @ 60° 04 - MAX @ 90°	N - NON SHORTING S - SHORTING				SEE CHART "A"	SEE CHART "B"
CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS									
	P			(SPECIFY)		(SPECIFY)		(SPECIFY)	(SPECIFY)
ADDITIONAL OPTIONS									

PRINTED CIRCUIT  
BOARD PATTERN

## SHAFT AND FLAT OPTIONS

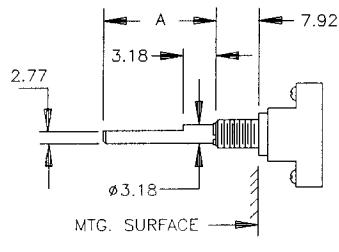
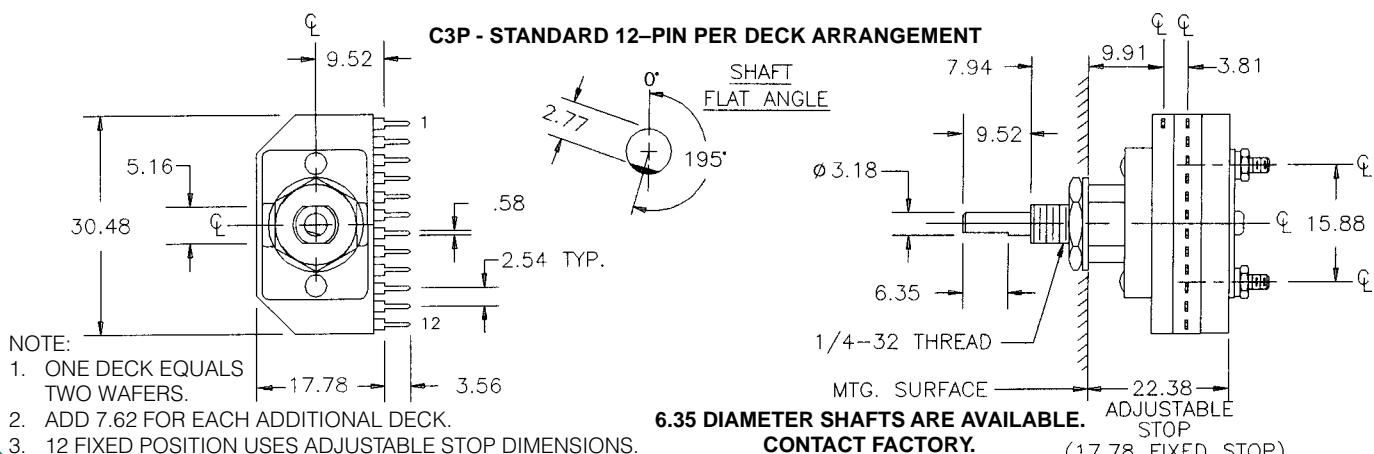


CHART "A"	
P/N OPT.	SHAFT LGH. "A"
01	6.35
02	9.53
03	12.7
04	14.29
05	19.05
06	22.23
07	25.4

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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