

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.



A

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"/>
	P	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)

C

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

P/N OPT	Shaft Lgth
01	1/4
02	3/8
03	1/2
04	9/16
05	3/4
06	7/8
07	1

P/N OPT	Shaft Lgth
08	1/4
09	3/8
10	1/2
11	9/16
12	3/4
13	7/8
14	1

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



- NOTE:**
1. ONE DECK EQUALS TWO WAFERS.
 2. ADD .300" FOR EACH ADDITIONAL DECK.
 3. 12 FIXED POSITION USES ADJUSTABLE STOP DIMENSIONS.

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

Mouser Electronics

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Electroswitch:

[C3P0206N-A](#) [C3P0212N-A](#) [C3P0112N-A](#) [C3P0304N-A](#) [C3P0406N-A](#) [C3P0604N-A](#) [C3P0206S-A](#) [C2P0404N-A](#)
[C3P0212S-A](#) [C2P0508S-A](#) [C3P0412N-A](#) [C2P0108N-A](#) [C2P0208N-A](#) [C3P0406S-A](#) [C2P0408S-A](#) [C3P0112S-A](#)
[C2P0408N-A](#) [C3P0312N-A](#) [C2P0308N-A](#) [C2P0308S-A](#) [C3P0412S-A](#) [C3P0312S-A](#) [C3P0604S-A](#) [C2P0108S-A](#)
[C3P0304S-A](#) [C2P0204S-A](#) [C3P0112S-9318](#)