

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

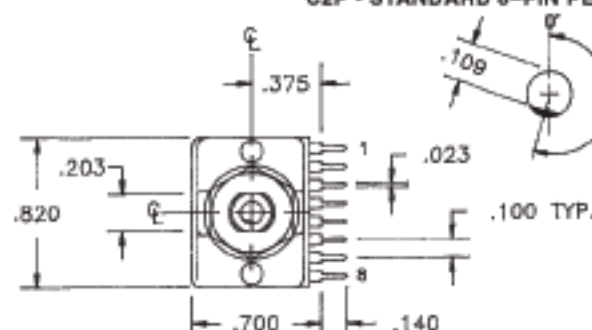
ADJUSTABLE STOPS SET @ 2 POS. - P.C. TERMINALS

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.

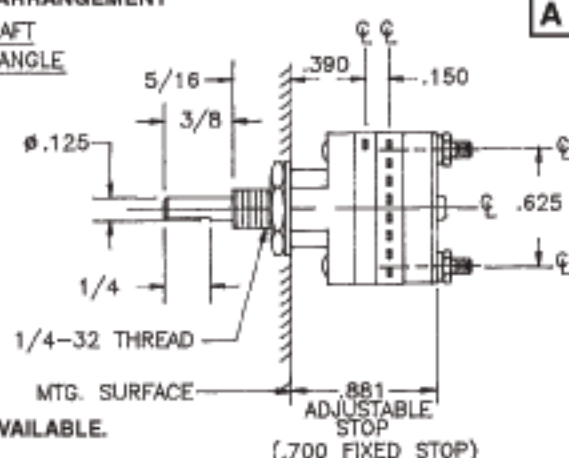
C2 - DIMENSIONS - 8 PIN DESIGN

C2P - STANDARD 8-PIN PER DECK ARRANGEMENT



NOTE:
 1. ONE DECK EQUALS TWO WAFERS.
 2. ADD .300" FOR EACH ADDITIONAL DECK.

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



A



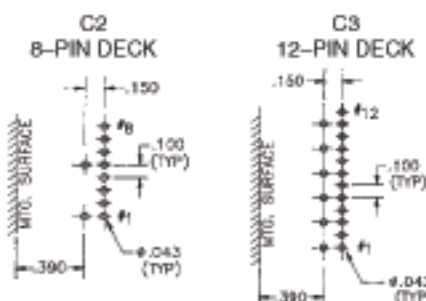
ELECTROSWITCH • ELECTRONIC PRODUCTS

UNIT OF ELECTRO SWITCH CORP.

C2/C3 - SERIES

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.

A technical cross-sectional drawing of a shaft-hub assembly. The shaft has a diameter of $\varnothing.125$. It features a central hole with a diameter of $\varnothing.008$. The shaft is inserted into a hub. Dimension lines indicate various lengths: A from the left end of the shaft to the start of the threaded section; $1/8$ for the length of the unthreaded portion of the shaft; $5/16$ for the total length of the shaft; and $.008$ for the thickness of the hub's bore.



Chart A 108" shaft		
PM OPT	Shaft Lgth	
01	1/4	
02	3/8	Std.
03	1/2	
04	5/8	
05	3/4	
06	7/8	
07	1	
Chart A 144" shaft		
PM OPT	Shaft Lgth	
08	1/4	
09	3/8	
10	1/2	
11	5/8	
12	3/4	
13	7/8	
14	1	

P/N OPT.	FLAT ANGLE
U	18°
W	105°
Y	105°
Z	345°

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

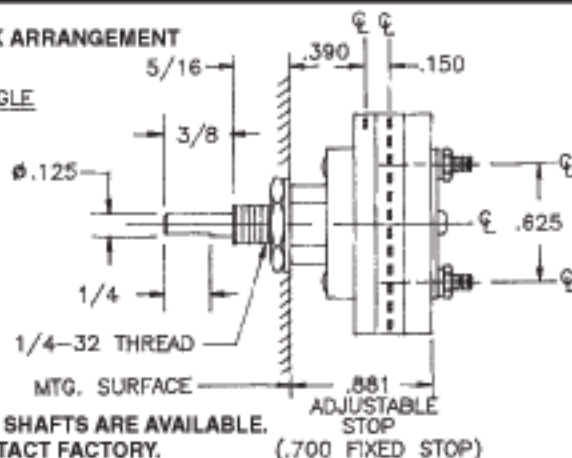
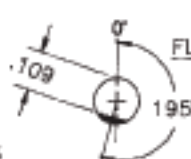


Technical drawing of a C3P - STANDARD component. The drawing shows a top view of a rectangular component with a central circular feature. Dimensions are provided in inches:

- Overall width: .700
- Overall height: 1.200
- Distance from top edge to center of circular feature: .203
- Distance from center of circular feature to right edge: .375
- Distance from center of circular feature to bottom edge: .100 TYP.
- Distance from right edge to center of circular feature: .109
- Distance from right edge to center of circular feature: .023
- Distance from right edge to center of circular feature: .140
- Distance from right edge to center of circular feature: .12

Text labels include "C3P - STANDARD" and "LINE DECK EQUALS NO. WAFERS".

C3P - STANDARD 12-PIN PER DECK ARRANGEMENT



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