C7 - SERIES

SPECIFICATIONS AND ORDERING INFORMATION

2 1/32" DIAMETER   1.0 AMP @ 28 VDC

The C7 Series provides a fully enclosed, modular design that enables switching up to 24 positions. Our standard design offers 15° indexing, and solder lug terminals.

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SPECIFICATIONS

ELECTRICAL

Current and Voltage Rating: Make and break resistive load 1.0 amp @ 28 VDC; 0.5 amp @ 125 VAC.
Current Carrying Capacity: 25 amps.
Dielectric Strength: 1,000 VAC between current carrying parts and ground.
Contact Resistance: Average initial 3 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: Diallyl phthalate.
Index: Single-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: 15° standard, 30°, 60°, and 90° available.
Index Stops: Fixed standard, continuous, or adj. available.
Stop Strength: 25 in. lbs. minimum.

STANDARD PART NUMBER

15° INDEXING - FIXED STOPS
SOLDER LUG TERMINALS

POLES	ACTIVE POSITIONS	POLES/ DECK	NO. OF DECKS	SHORTING	NON- SHORTING	FIG. ★
01	23	1	1	C7D0123S	C7D0123N	CF
02	23	1	2	C7D0223S	C7D0223N	CF
03	23	1	3	C7D0323S	C7D0323N	CF
04	23	1	4	C7D0423S	C7D0423N	CF
30° INDEXING						
01	12	1	1	C7D0112S -30	C7D0112N -30	CA
02	12	1	2	C7D0212S -30	C7D0212N -30	CA
03	12	1	3	C7D0312S -30	C7D0312N -30	CA

15° INDEXING - CONTINUOUS ROTATION
SOLDER LUG TERMINALS

POLES	ACTIVE POSITIONS	POLES/ DECK	NO. OF DECKS	SHORTING	NON- SHORTING	FIG. ★
01	24	1	1	C7D0124S - C	C7D0124N - C	CG
02	24	1	2	C7D0224S - C	C7D0224N - C	CG
03	24	1	3	C7D0324S - C	C7D0324N - C	CG
04	24	1	4	C7D0424S - C	C7D0424N - C	CG
30° INDEXING						
01	12	1	1	C7D0112S -30C	C7D0112N -30C	CA
02	12	1	2	C7D0212S -30C	C7D0212N -30C	CA
03	12	1	3	C7D0312S -30C	C7D0312N -30C	CA

DIMENSIONS

STANDARD CONSTRUCTION - 15° INDEX ANGLE (3 WAFER DECK)   **Q**   **.187 QUICK CONNECT**

Ø 1 5/8
23&24 1&2
21&22   3&4
2 1/32 19&20   5&6
17&18   7&8
9&10
15&16 13&14 11&12
NON—TURN LUG
.125W X .045 THK.
.531 FROM C—LINE
.063 ENGAGEMENT

0°
.218
195°
SHAFT FLAT ANGLE
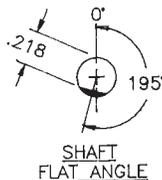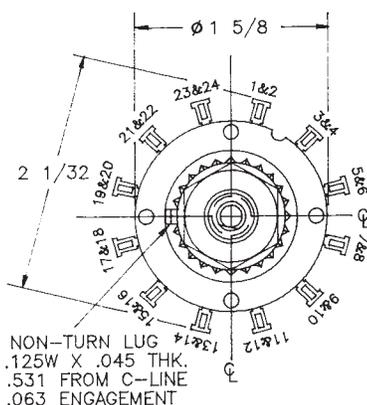
NOTE:
1. ONE DECK EQUALS THREE WAFERS.
2. ADD .468" FOR EACH ADDITIONAL DECK.

1/2 3/8 .421 .156
Ø .250
3/8
3/8—32 THREAD MTG. SURFACE
.811 SINGLE DECK

(TYP.) .180
(.019 MAT'L. THK.)

ELECTROSWITCH • ELECTRONIC PRODUCTS

C7 - SERIES

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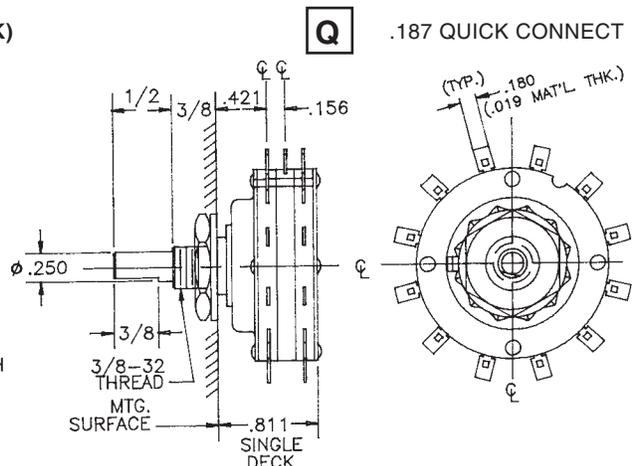
How to Order Additional Options:

2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
C7	D - DIALLYL	01 - MIN.	24 - MAX @ 15°	S - SHORTING N - NON SHORTING	L - SOLDER LUG Q - QUICK CONNECT	15°	F - FIXED 23 - POS. MAX. C - CONT. 24 - POS. MAX. A- Adjustable A23 - POS. MAX	SEE CHART "A"	SEE CHART "B"
C7	D - DIALLYL	01 - MIN.	12 - MAX @ 30° 06 - MAX @ 60° 04 - MAX @ 90°	S - SHORTING N - NON SHORTING	L - SOLDER LUG Q - QUICK CONNECT	30° 60° 90°			

CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS						ADDITIONAL OPTIONS			
C	7	D	☐☐	☐☐	☐	— ☐	☐☐	☐☐	☐
			(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY) (SPECIFY)	(SPECIFY)	(SPECIFY)

SHORTING AND NON-SHORTING SWITCHING IS NOT GUARANTEED ON THE 15° INDEXING C7 SERIES.
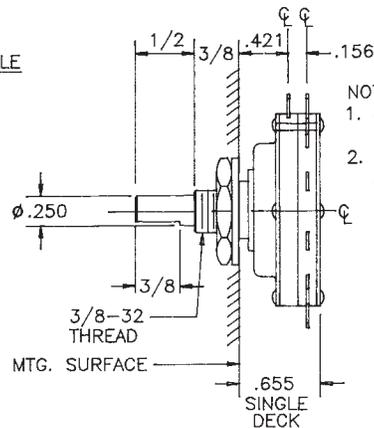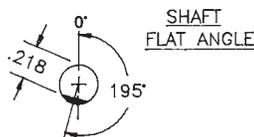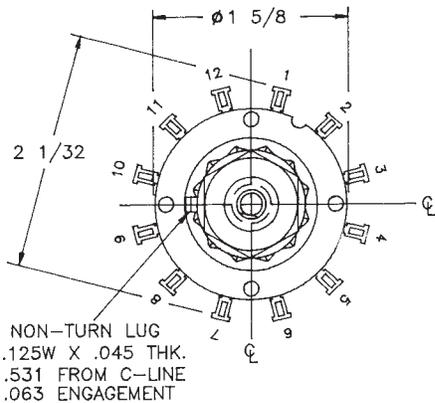
SHAFT AND FLAT OPTIONS

CHART "A"

P/N OPT.	SHAFT LGTH. "A"
01	1/4
02	1/2
03	9/16 - STD.
04	3/4
05	7/8
06	1

CHART "B"

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

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

U W Y Z

DIMENSIONS

STANDARD CONSTRUCTION - 30° INDEX ANGLE (2 WAFER DECK)

NOTE:
1. ONE DECK EQUALS TWO WAFERS.
2. ADD .312" FOR EACH ADDITIONAL DECK.

NON—TURN LUG .125W X .045 THK. .531 FROM C—LINE .063 ENGAGEMENT

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Electroswitch](#):

[C7D0112S-0502](#) [C7D0123N](#) [C7D0124N-C](#) [C7D0212N-30](#) [C7D0423S](#) [C7D0323N](#) [C7D0424S-C](#) [C7D0223N](#)
[C7D0224N-C](#) [C7D0223S](#) [C7D0212N-30C](#) [C7D0124S-C](#) [C7D0112N-30](#) [C7D0123S](#) [C7D0424N-C](#) [C7D0312N-30](#)
[C7D0112N-30C](#) [C7D0112S-30C](#) [C7D0212S-30](#) [C7D0112S-30](#) [C7D0312N-30C](#) [C7D0423N](#) [C7D0312S-30C](#)
[C7D0212S-30C](#) [C7D0224S-C](#)