C4 - SERIES

SPECIFICATIONS

1.5" DIAMETER 0.5 AMP @ 28 VDC

The C4 Series provides a versatile, fully enclosed design, that helps keep dirt and moisture out of the contact area while locking in life time lubricants. IP67 Rating Available.

SPECIFICATIONS

ELECTRICAL

Current and Voltage Rating: Make and break resistive load 0.5 amp @ 28 VDC; 0.3 amp @ 125 VAC.
Current Carrying Capacity: 15 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: 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: 30°, 36°, 45°, 60°, and 90° available.
Index Stops: Fixed standard, adjustable or continuous available.
Stop Strength: 15 in. lbs. minimum.

STANDARD PART NUMBER

SOLDER LUG - ADJUSTABLE STOPS
SWITCHES - 30° INDEXING - STOPS SET @ 2 POS.

<table>
<thead>
<tr>
<th>POLES</th>
<th>POSITIONS</th>
<th>NO. OF DECKS</th>
<th>SHORTING NO- SHORTING</th>
<th>FIG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>02-12</td>
<td>1</td>
<td>1 C4D0112S - A C4D0112N - A CA</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>02-06</td>
<td>2</td>
<td>1 C4D0206S - A C4D0206N - A CA</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>02-12</td>
<td>1</td>
<td>2 C4D0212S - A C4D0212N - A CA</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>02-12</td>
<td>1</td>
<td>3 C4D0312S - A C4D0312N - A CA</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>02-04</td>
<td>3</td>
<td>1 C4D0304S - A C4D0304N - A CK</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>02-12</td>
<td>1</td>
<td>4 C4D0412S - A C4D0412N - A CA</td>
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</tr>
<tr>
<td>04</td>
<td>02-06</td>
<td>2</td>
<td>2 C4D0406S - A C4D0406N - A CH</td>
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</tr>
<tr>
<td>05</td>
<td>02-12</td>
<td>1</td>
<td>5 C4D0512S - A C4D0512N - A CA</td>
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</table>

<table>
<thead>
<tr>
<th>POLES</th>
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<th>FIG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>02-06</td>
<td>2</td>
<td>3 C4D0606S - A C4D0606N - A CH</td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>02-04</td>
<td>3</td>
<td>2 C4D0604S - A C4D0604N - A CK</td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>02-12</td>
<td>1</td>
<td>6 C4D0612S - A C4D0612N - A CA</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>02-06</td>
<td>2</td>
<td>4 C4D0806S - A C4D0806N - A CH</td>
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</tr>
<tr>
<td>09</td>
<td>02-04</td>
<td>3</td>
<td>3 C4D0904S - A C4D0904N - A CK</td>
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<tr>
<td>10</td>
<td>02-06</td>
<td>2</td>
<td>5 C4D1006S - A C4D1006N - A CH</td>
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<tr>
<td>12</td>
<td>02-04</td>
<td>3</td>
<td>4 C4D1204S - A C4D1204N - A CK</td>
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<tr>
<td>15</td>
<td>02-04</td>
<td>3</td>
<td>5 C4D1504S - A C4D1504N - A CK</td>
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</tr>
</tbody>
</table>

* FIGURES ARE SHOWN ON PAGE 55.

DIMENSIONS

C4D STANDARD CONSTRUCTION

NOTE:
1. ONE DECK EQUALS TWO WAFERS.
2. ADD .284" FOR EACH ADDITIONAL DECK.

.110 QUICK CONNECT TERMINAL OPTION (.016 MAT'L THK.)

2010 Yonkers Road
Raleigh, NC 27604
Telephone: (888) ROTARYS or (919) 833-0707
Fax: (800) 909-9171 or (919) 833-8016
# ADDITIONAL OPTIONS AND ORDERING INFORMATION

## C4 - SERIES

### How to Order Additional Options:

<table>
<thead>
<tr>
<th>2 DIGIT SERIES</th>
<th>INSULATION TYPE</th>
<th>TOTAL POLES</th>
<th>ACTIVE CONTACT POSITIONS</th>
<th>CONTACT TYPE</th>
<th>TERMINAL STOP TYPE</th>
<th>INDEX ANGLE</th>
<th>SHAFT / BUSHING TYPE</th>
<th>SHAFT FLAT</th>
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</thead>
<tbody>
<tr>
<td>C4</td>
<td>D - DIALLYL</td>
<td>01 - MIN.</td>
<td>12 - MAX @ 30° S - SHORTING</td>
<td>N - NON</td>
<td>L - SOLDER LUG</td>
<td>30°</td>
<td>D</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 - MAX @ 36°</td>
<td></td>
<td>P - FRONT P.C.</td>
<td>36°</td>
<td>J</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>08 - MAX @ 45° SHORTING</td>
<td></td>
<td>(NOT IN 45°)</td>
<td></td>
<td>SEE CHART &quot;A&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>06 - MAX @ 60°</td>
<td></td>
<td>R - REAR P.C.</td>
<td></td>
<td>SEE CHART &quot;B&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>04 - MAX @ 90°</td>
<td></td>
<td>(30 &amp; 36° ONLY)</td>
<td></td>
<td></td>
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</table>

**CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS**

| (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) | (SPECIFY) |

**ADDITIONAL OPTIONS**

### PRINTED CIRCUIT BOARD HOLE PATTERNS

#### 30° INDEX, 1 AND 2 POLE

- 4 PLCS.
- 20°
- 4 PLCS.
- 25°
- 6 PLCS.
- 30°
- 15°

**COMMON TERMINAL 'A'**

- 1 POLE
- 12 POSITION

**COMMON TERMINAL 'B'**

- 2 POLE
- 6 POSITION

- Ø0.55 (14 HOLES)

- Ø1.312 B.C.

#### 36° INDEX, 10 POSITION

- 4 PLCS.
- 20°
- 4 PLCS.
- 34°
- 4 PLCS.
- 36°
- 18°

**COMMON TERMINAL 'A'**

- 1 POLE
- 10 POSITION

**COMMON TERMINAL 'B'**

- 2 POLE
- 5 POSITION

- Ø0.55 (12 HOLES)

- Ø1.312 B.C.

### SHAFT, BUSHING, AND FLAT OPTIONS

#### CHART "A"

- PIN OPT.
- SHAFT LOFT.
- BUSH LOFT.
- INCH.
- STD.

#### CHART "B"

- PIN OPT.
- FLAT ANGLE.

- U
- W
- Y
- Z

- Ø0.250

**SHAFT AS VIEWED**

WITH NON-TURN LUG

AT 9 O'CLOCK AND SHAFT IN EXTREME CCW POSITION AND STRUT BOLTS ORIENTED VERTICALLY.

### PRINTED CIRCUIT BOARD TERMINAL OPTIONS

#### FRONT PRINTED CIRCUIT

- P
- 1/2
- 3/8
- 3/8 MAX
- 3/8 - 32 THREAD
- 0.250
- 1.94
- 3/8 - 32 THREAD
- 0.128

#### REAR PRINTED CIRCUIT

- R
- 1/2
- 3/8 Alignment PLATE
- P.C. PIN
- COMMON PIN
- 0.94
- 1.28
- 0.94
- 1.28

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