

# C5/C6 - SERIES

SPECIFICATIONS AND ORDERING INFORMATION

0.92" DIAMETER

1.0 AMP @ 28 VDC

The C5 Series offers a very economical and lightweight design. Standard features include 30° indexing up to 12 positions, solder lug terminals, fixed stops, and both internal and external seals for washability.

The C6 Series offers the same features in an unsealed design.



## SPECIFICATIONS

### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load 1 amp @ 28 VDC; 1 amp @ 125 VAC.

**Current Carrying Capacity:** 5 amps.

**Dielectric Strength:** 1,000 VAC between current carrying parts and ground.

**Contact Resistance:** Average initial 20 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:** Molded live spring detent.

**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.

**Index Stops:** Fixed standard, adjustable, or continuous available.

**Stop Strength:** 4.5 in. lbs. minimum.

## STANDARD PART NUMBER

### C5 - SOLDER LUG TERMINALS

SWITCHES - 30° INDEX - ADJUSTABLE STOPS - SET @ 2 POS. - SEALED

| POLES | ACTIVE POSITIONS | POLES/SECTION | NO. OF SECTIONS | NON-SHORTING | FIG. ★ |
|-------|------------------|---------------|-----------------|--------------|--------|
| 01    | 02-12            | 1             | 1               | C5P0112N - A | CE     |
| 02    | 02-06            | 2             | 1               | C5P0206N - A | CJ     |
| 03    | 02-04            | 3             | 1               | C5P0304N - A | CL     |
| 04    | 02-03            | 4             | 1               | C5P0403N - A | CM     |

### C5 - P.C. TERMINALS

SWITCHES - 30° INDEX - ADJUSTABLE STOPS - SET @ 2 POS. - SEALED

| POLES | ACTIVE POSITIONS | POLES/SECTION | NO. OF SECTIONS | NON-SHORTING  | FIG. ★ |
|-------|------------------|---------------|-----------------|---------------|--------|
| 01    | 02-12            | 1             | 1               | C5P0112N - RA | CE     |
| 02    | 02-06            | 2             | 1               | C5P0206N - RA | CJ     |
| 03    | 02-04            | 3             | 1               | C5P0304N - RA | CL     |
| 04    | 02-03            | 4             | 1               | C5P0403N - RA | CM     |

### C6 - UNSEALED

|    |       |   |   |              |    |
|----|-------|---|---|--------------|----|
| 01 | 02-12 | 1 | 1 | C6P0112N - A | CE |
| 02 | 02-06 | 2 | 1 | C6P0206N - A | CJ |
| 03 | 02-04 | 3 | 1 | C6P0304N - A | CL |
| 04 | 02-03 | 4 | 1 | C6P0403N - A | CM |

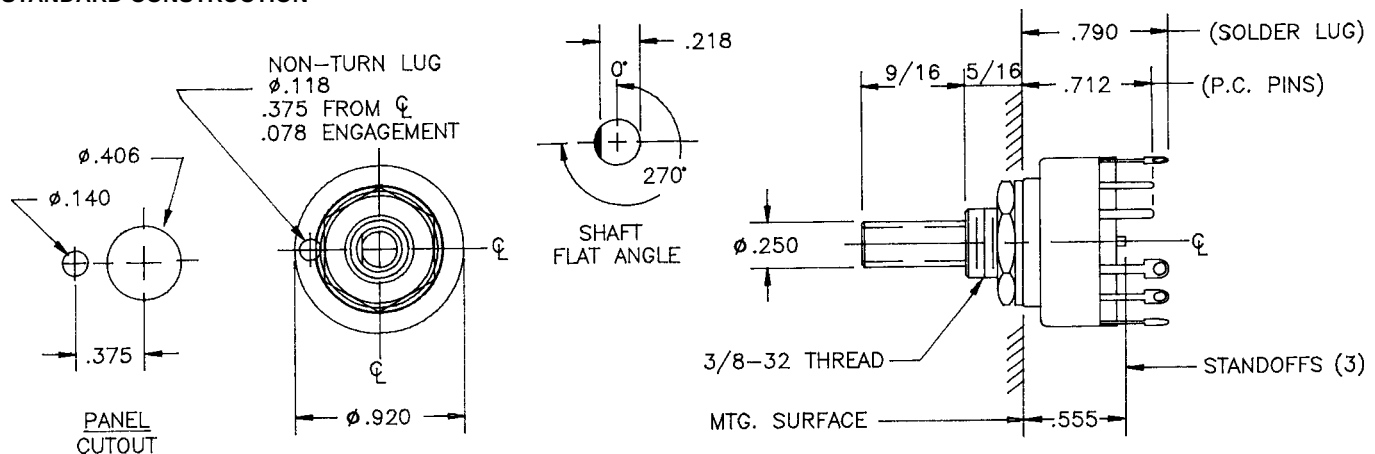
### C6 - UNSEALED

|    |       |   |   |               |    |
|----|-------|---|---|---------------|----|
| 01 | 02-12 | 1 | 1 | C6P0112N - RA | CE |
| 02 | 02-06 | 2 | 1 | C6P0206N - RA | CJ |
| 03 | 02-04 | 3 | 1 | C6P0304N - RA | CL |
| 04 | 02-03 | 4 | 1 | C6P0403N - RA | CM |

\* FIGURES ARE SHOWN ON PAGE 55.

## DIMENSIONS

### STANDARD CONSTRUCTION



**ELECTROSWITCH • ELECTRONIC PRODUCTS**  
UNIT OF ELECTRO SWITCH CORP.

2010 Yonkers Road  
Raleigh, NC 27604

Telephone: (888) ROTARYS or (919) 833-0707  
Fax: (800) 909-9171 or (919) 833-8016

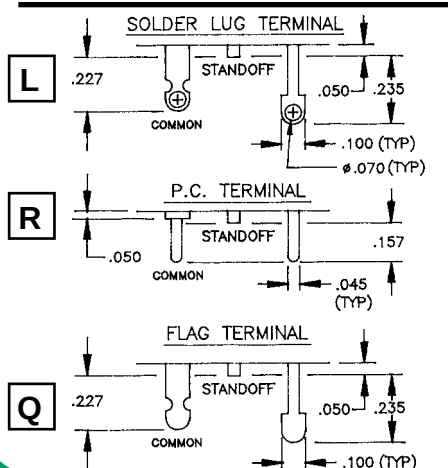
## How to Order Additional Options:

| 2 DIGIT<br>SERIES | INSULATION<br>TYPE        | TOTAL<br>POLES | ACTIVE<br>POSITIONS | CONTACT<br>TYPE | TERMINAL<br>TYPE                            | INDEX<br>ANGLE | STOP<br>TYPE                       | SHAFT/<br>BUSHING   | SHAFT<br>FLAT       |
|-------------------|---------------------------|----------------|---------------------|-----------------|---------------------------------------------|----------------|------------------------------------|---------------------|---------------------|
| C5                | P - POLYESTER<br>SEALED   | 01             | 12 - MAX            | N - NON -       | L - SOLDER LUG<br>R - REAR P.C.<br>Q - FLAG |                | F - FIXED<br>A - ADJ.<br>C - CONT. | SEE<br>CHART<br>"A" | SEE<br>CHART<br>"B" |
|                   |                           | 02             | 06 - MAX            | SHORTING        |                                             |                |                                    |                     |                     |
|                   |                           | 03             | 04 - MAX            |                 |                                             |                |                                    |                     |                     |
|                   |                           | 04             | 03 - MAX            |                 |                                             |                |                                    |                     |                     |
| C6                | P - POLYESTER<br>UNSEALED | 01             | 12 - MAX            | N - NON -       |                                             |                |                                    |                     |                     |
|                   |                           | 02             | 06 - MAX            | SHORTING        |                                             |                |                                    |                     |                     |
|                   |                           | 03             | 04 - MAX            |                 |                                             |                |                                    |                     |                     |
|                   |                           | 04             | 03 - MAX            |                 |                                             |                |                                    |                     |                     |

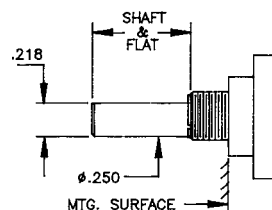
  

| CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS |                      |           |                      | ADDITIONAL OPTIONS   |                      |                      |
|-------------------------------------------------------|----------------------|-----------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/>                                  | <input type="text"/> | <b>P</b>  | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| (SPECIFY)                                             |                      | (SPECIFY) | <b>N</b>             | <input type="text"/> | (SPECIFY)            | (SPECIFY)            |

### TERMINAL TYPES



### SHAFT AND FLAT OPTIONS



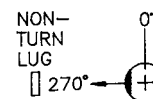
**CHART "A"**

| P/N<br>OPT. | SHAFT &<br>FLAT<br>LGTH. |
|-------------|--------------------------|
| 01          | 1/4                      |
| 02          | 5/16                     |
| 03          | 3/8                      |
| 04          | 7/16                     |
| 05          | 1/2                      |
| 06          | 9/16                     |
| 07          | 5/8                      |
| 08          | 11/16                    |
| 09          | 3/4                      |
| 10          | 13/16                    |
| 11          | 7/8                      |
| 12          | 15/16                    |
| 13          | 1                        |

**CHART "B"**

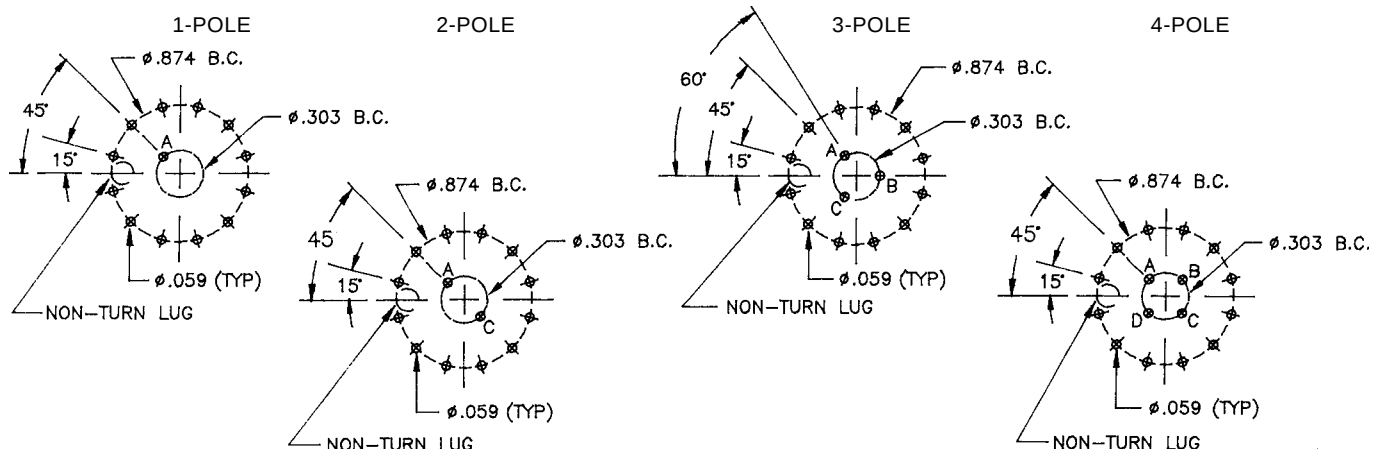
| P/N<br>OPT. | FLAT<br>ANGLE |
|-------------|---------------|
| B           | ROUND         |
| Y           | 270° - STD.   |

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



**Y**

### PRINTED CIRCUIT BOARD TERMINAL PATTERNS



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