

# C5/C6 - SERIES SPECIFICATIONS AND ORDERING INFORMATION

23.37 mm 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:** 0.51 Nm 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

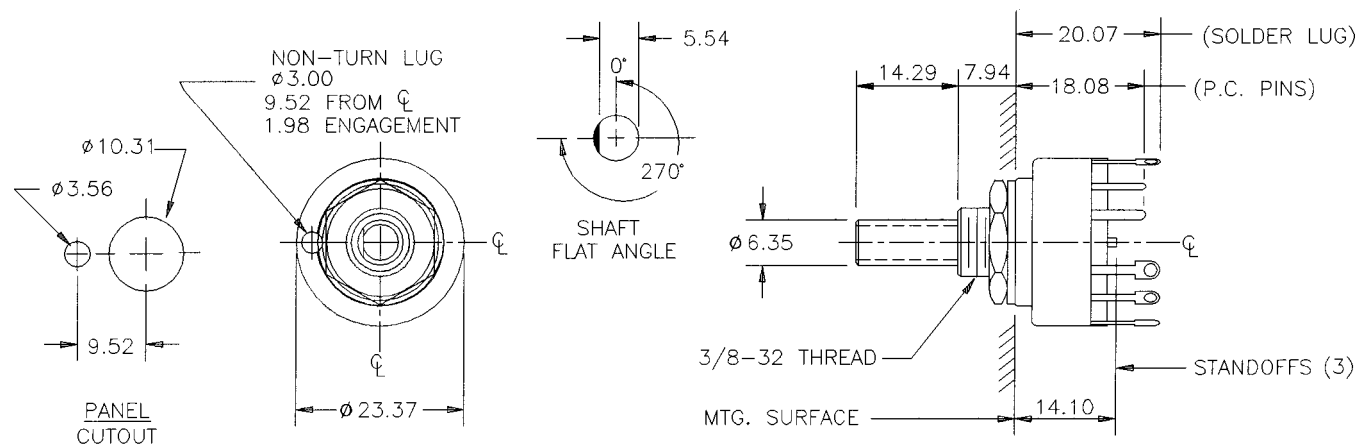
### C6 - UNSEALED

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



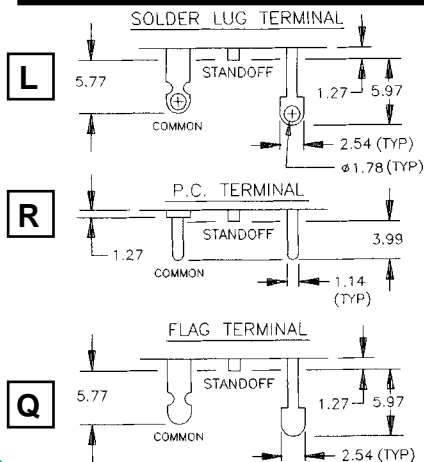
**ELECTROSWITCH • ELECTRONIC PRODUCTS**  
UNIT OF ELECTRO SWITCH CORP.

2010 Yonkers Road, Raleigh, NC 27604

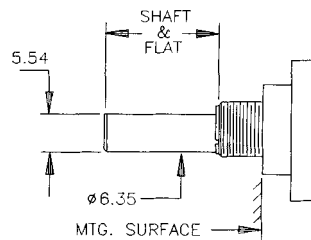
## How to Order Additional Options:

2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
C5	P - POLYESTER SEALED	01	12 - MAX	N - NON - SHORTING	L - SOLDER LUG R - REAR P.C. Q - FLAG	F - FIXED A - ADJ. C - CONT.	SEE CHART "A"	SEE CHART "B"
		02	06 - MAX					
		03	04 - MAX					
		04	03 - MAX					
C6	P - POLYESTER UNSEALED	01	12 - MAX	N - NON - SHORTING				
		02	06 - MAX					
		03	04 - MAX					
		04	03 - MAX					
CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS					ADDITIONAL OPTIONS			
<div></div> <div></div>	<div>P</div>	<div></div> <div></div> <div>(SPECIFY)</div>	<div></div> <div></div> <div>(SPECIFY)</div>	<div>N</div> <div></div> <div>(SPECIFY)</div>		<div></div> <div>(SPECIFY)</div>	<div></div> <div></div> <div>(SPECIFY)</div>	<div></div> <div>(SPECIFY)</div>

### TERMINAL TYPES



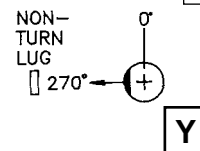
### SHAFT AND FLAT OPTIONS



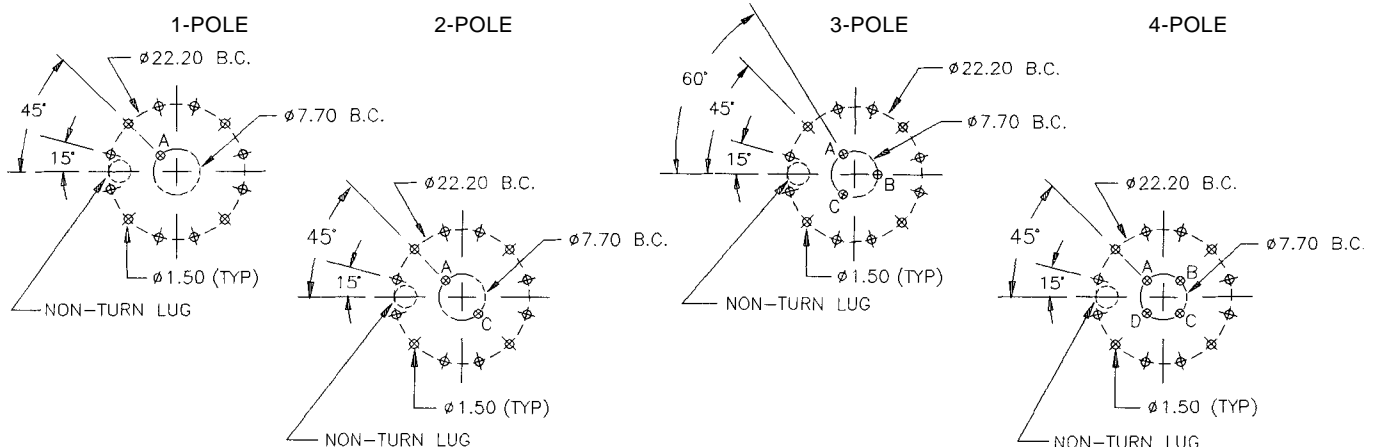
P/N OPT.	SHAFT & FLAT LGTH.
01	6.35
02	7.94
03	9.53
04	11.11
05	12.7
06	14.29
07	15.88
08	17.46
09	19.05
10	20.64
11	22.23
12	23.81
13	25.4

P/N OPT.	FLAT ANGLE
B	ROUND
Y	270° - STD

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



### PRINTED CIRCUIT BOARD TERMINAL PATTERNS



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