

D6 - SERIES

SPECIFICATIONS AND ORDERING INFORMATION

42.85 mm DIAMETER 1.5 AMPS @ 28 VDC

The D6 Series is one of our more versatile rotary switches. A 30° index angle, solder lug terminals, and diallyl phthalate insulation are standard. However, additional indexes of 36°, 45°, and 60° and insulation sections of glass epoxy and ceramic are available. Adjustable stops are available on indexes of 30° and 60°.



SPECIFICATIONS

ELECTRICAL

Current and Voltage Rating: Make and break resistive load 1.5 amps @ 28 VDC; 0.5 amp @ 115 VAC.

Current Carrying Capacity: 9 amps.

Dielectric Strength: 1,500 VAC between current carrying parts and ground.

Contact Resistance: Average initial 3.5 milliohms.

Insulation Resistance: Diallyl in excess of 900,000 megohms
Glass in excess of 750,000 megohms.
Ceramic in excess of 1,000,000 megohms.

Hardware: Mounting nut and lockwasher are shipped assembled.

MECHANICAL

Materials and Finishes: All parts utilize non-corrosive materials as standard.

Clips and Rotors: Brass with silver plate as standard.

Insulation: Diallyl phthalate, glass, or ceramic.

Index: Dual-ball, side thrust design.

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, 36°, 45°, and 60° available.

Index Stops: Adjustable standard, fixed or continuous.

Stop Strength: 2.82 Nm minimum.

STANDARD PART NUMBER

DIALYL PHTHALATE INSULATION

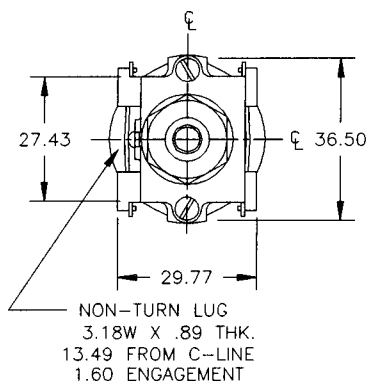
SWITCHES - 30° INDEX - ADJUSTABLE STOPS - SOLDER LUG TERMINALS

POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. ★	POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. ★
01	02-12	1	1	D6D0112S	D6D0112N	DD	05	02-03	5	1	D6D0503S	D6D0503N	DR
02	02-12	1	2	D6D0212S	D6D0212N	DD	06	02-12	1	6	D6D0612S	D6D0612N	DD
02	02-06	2	1	D6D0206S	D6D0206N	DL	06	02-06	2	3	D6D0606S	D6D0606N	DL
03	02-12	1	3	D6D0312S	D6D0312N	DD	06	02-05	3	2	D6D0605S	D6D0605N	DO
03	02-05	3	1	D6D0305S	D6D0305N	DO	08	02-06	2	4	D6D0806S	D6D0806N	DL
04	02-12	1	4	D6D0412S	D6D0412N	DD	09	02-05	3	3	D6D0905S	D6D0905N	DO
04	02-06	2	2	D6D0406S	D6D0406N	DL	10	02-03	5	2	D6D1003S	D6D1003N	DR
05	02-12	1	5	D6D0512S	D6D0512N	DD	10	02-06	2	5	D6D1006S	D6D1006N	DL

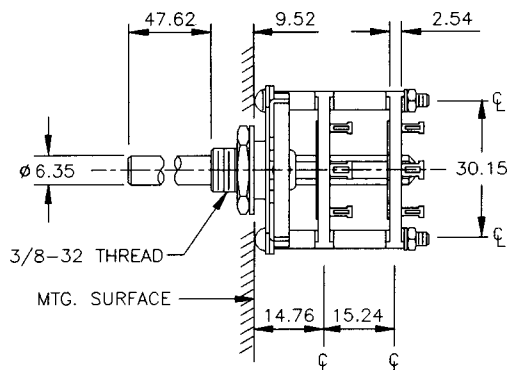
* FIGURES ARE SHOWN ON PAGES 55 AND 56.

DIMENSIONS

STANDARD CONSTRUCTION



D6D - DIALYL PHTHALATE CONSTRUCTION



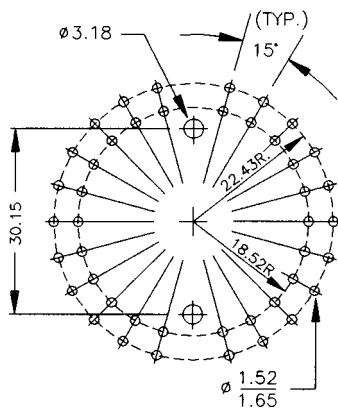
ELECTROSWITCH • ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP.

2010 Yonkers Road, Raleigh, NC 27604

How to Order Additional Options:

2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
D6	D - DIALYL (30°,45°,60°) G - GLASS (30°,36°,45°,60°)	01 - MIN.	12 - MAX @ 30° 10 - MAX @ 36° 08 - MAX @ 45° 06 - MAX @ 60°	S - SHORTING N - NON SHORTING	L - SOLDER LUG R - REAR P.C.	30° 36° 45° 60°	A - ADJ. (30°,60° ONLY) F - FIXED C - CONT.	SEE CHART "A"	SEE CHART "B"
D6	C - CERAMIC (30°,60°)	01 - MIN.	12 - MAX @ 30° 06 - MAX @ 60°	S - SHORTING N - NON SHORTING	L - SOLDER LUG	30° 60°	A - ADJ. F - FIXED C - CONT.		
CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS									
D	6		(SPECIFY)	(SPECIFY)			(SPECIFY)	(SPECIFY)	(SPECIFY)

PRINTED BOARD MOUNTING PATTERN



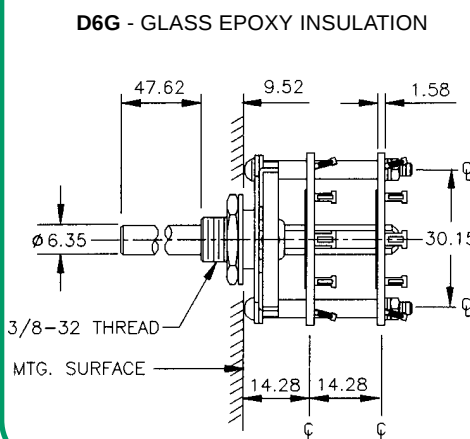
SHAFT, BUSHING, AND FLAT OPTIONS

CHART "A"			CHART "B"	
P/N OPT.	SHAFT LGTH. "A"	BUSH. LGTH. "B"	P/N OPT.	FLAT ANGLE
01	9.53	6.35	B	ROUND
02	9.53	9.53	U	15°
03	12.7	6.35	W	165°
04	12.7	9.53	Y	195°
05	14.29	6.35	Z	345°
06	14.29	9.53		
07	19.05	6.35		
08	19.05	9.53		
09	25.4	6.35		
10	25.4	9.53		
11	38.1	6.35		
12	38.1	9.53		
13	47.63	6.35		
14	47.63	9.53		

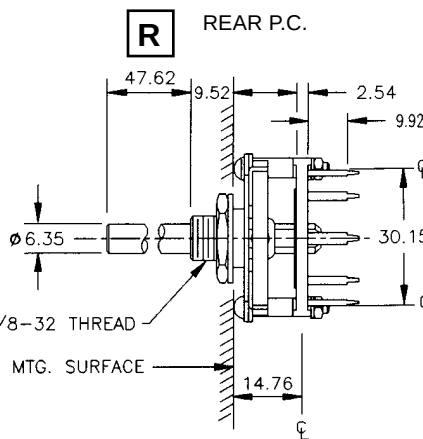
SHAFT AS VIEWED WITH NON-TURN LUG AT 9 O'CLOCK AND SHAFT IN EXTREME CCW POSITION AND STRUT BOLTS ORIENTED VERTICALLY.

INSULATION OPTIONS

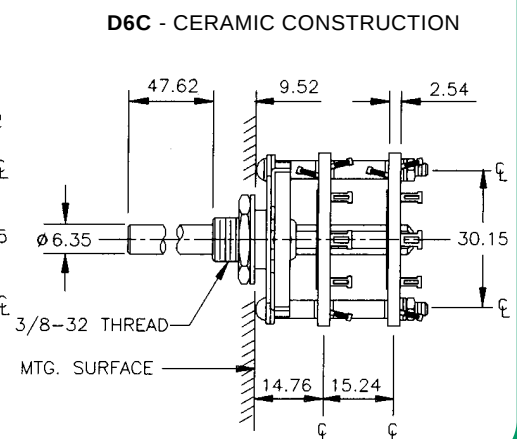
D6G - GLASS EPOXY INSULATION



R REAR P.C.



D6C - CERAMIC CONSTRUCTION



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