



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# D3 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

1 5/16" DIAMETER 1.5 AMPS @ 28 VDC

The D3 Series was originally designed as a high quality military switch, but is ideal for use in both military and commercial equipment applications. The standard features of this hill and valley design are glass epoxy insulation and a 30° index, with options of ceramic and diallyl insulation and a 60° index.



### 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:** 1,000 VAC between current carrying parts and ground.  
**Contact Resistance:** Average initial 3.5 milliohms.  
**Insulation Resistance:** Glass in excess of 750,000 megohms.  
Ceramic in excess of 1,000,000 megohms.  
Diallyl in excess of 900,000 megohms.  
**Hardware:** Mounting nut and lockwasher are shipped assembled.

#### MECHANICAL

**Materials and Finishes:** All parts utilize non-corrosive materials.  
**Clips and Rotors:** Silver alloy standard on ceramic.  
Brass with silver plate standard on glass.  
**Insulation:** Glass epoxy, ceramic, or 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:** Positive 30° standard, 60° available.  
**Index Stops:** Adjustable standard, fixed or continuous.  
**Stop Strength:** 25 in. lbs. minimum.

### STANDARD PART NUMBER

#### EPOXY GLASS INSULATION - BRASS SILVER PLATE

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

POLES	ACTIVE POSITIONS	POLES/SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-11	1	1	D3G0111S	D3G0111N	DA
02	02-11	1	2	D3G0211S	D3G0211N	DA
02	02-05	2	1	D3G0205S	D3G0205N	DH
03	02-11	1	3	D3G0311S	D3G0311N	DA
03	02-03	3	1	D3G0303S	D3G0303N	DM
04	02-05	2	2	D3G0405S	D3G0405N	DH
06	02-03	3	2	D3G0603S	D3G0603N	DM
06	02-05	2	3	D3G0605S	D3G0605N	DH

#### CERAMIC INSULATION - SILVER ALLOY - 2.6 AMPS @ 28 VDC

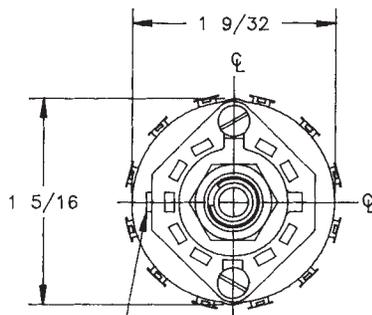
SWITCHES - SOLDER LUG TERMINALS - 30° INDEX - ADJUSTABLE STOPS SET @ 2 POS.

POLES	ACTIVE POSITIONS	POLES/SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-11	1	1	D3C0111S	D3C0111N	DA
02	02-11	1	2	D3C0211S	D3C0211N	DA
02	02-05	2	1	D3C0205S	D3C0205N	DH
03	02-11	1	3	D3C0311S	D3C0311N	DA
03	02-03	3	1	D3C0303S	D3C0303N	DM
04	02-05	2	2	D3C0405S	D3C0405N	DH
06	02-03	3	2	D3C0603S	D3C0603N	DM
06	02-05	2	3	D3C0605S	D3C0605N	DH

\* FIGURES ARE SHOWN ON PAGES 55 AND 56.

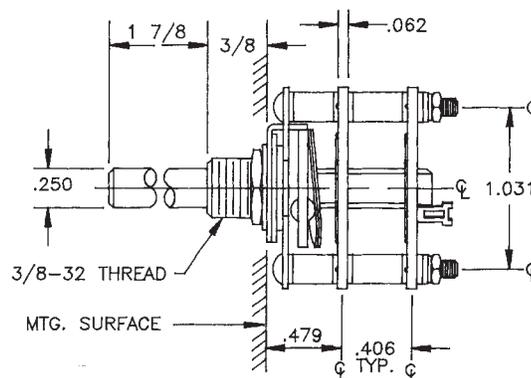
### DIMENSIONS

#### STANDARD CONSTRUCTION



NON-TURN LUG  
.125W X .035 THK.  
.531 FROM C-LINE  
.117 ENGAGEMENT

#### D3G - GLASS EPOXY CONSTRUCTION



## 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
D3	G - GLASS C - CERAMIC (SILVER ALLOY) D - DIALLYL	01 - MIN.	12 - MAX @ 30° 06 - MAX @ 60°	N - NON SHORTING S - SHORTING	L - SOLDER LUG R - REAR P.C.	30° 60°	A - ADJ. F - FIXED C - CONT.	SEE CHART "A"	SEE CHART "B"

CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS

<b>D</b>	<b>3</b>	<input type="checkbox"/>							
		(SPECIFY)							

ADDITIONAL OPTIONS

## SHAFT, BUSHING, AND FLAT OPTIONS

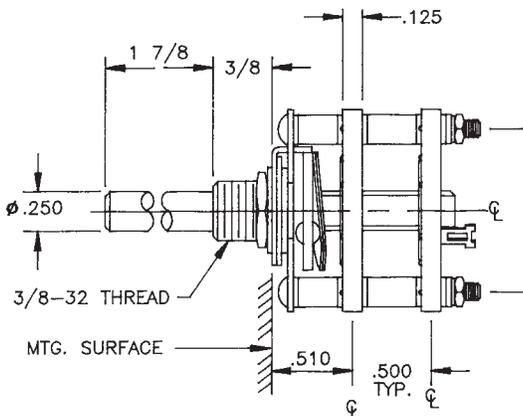
P/N OPT.	SHAFT LGTH. "A"	BUSH. LGTH. "B"
01	3/8	1/4
02	3/8	3/8
03	1/2	1/4
04	1/2	3/8
05	9/16	1/4
06	9/16	3/8
07	3/4	1/4
08	3/4	3/8
09	1	1/4
10	1	3/8
11	1 1/2	1/4
12	1 1/2	3/8
13	1 7/8	1/4
14	1 7/8	3/8

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

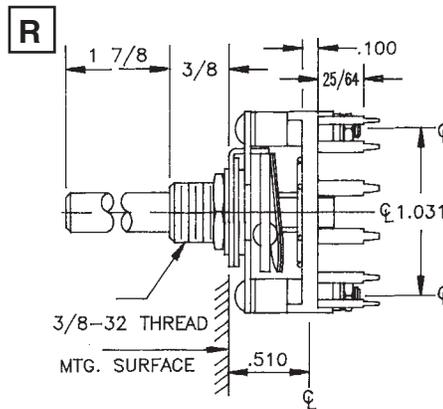
SHAFT AS VIEWED WITH NON-TURN LUG AT 9 O'CLOCK AND SHAFT IN EXTREME CCW POSITION AND STRUT BOLTS ORIENTED VERTICALLY.

## INSULATION AND PRINTED CIRCUIT BOARD TERMINAL OPTIONS

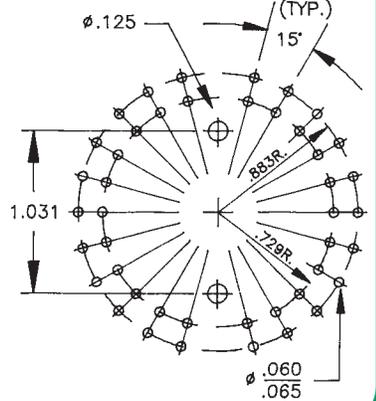
D3C - CERAMIC CONSTRUCTION



D3D - DIALLYL PHTHALATE CONSTRUCTION



P.C. BOARD MOUNTING PATTERN (TYP.)



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