

# D1 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

1" DIAMETER 0.55 AMP @ 28 VDC

This 1" diameter switch offers a unique lateral thrust index with exceptionally crisp torque. The D1 Series was originally designed to meet the size requirements of MIL-S-3786 style SR05. The 30° index and glass epoxy insulation are standard and several options are available including rear printed circuit terminals.



### SPECIFICATIONS

#### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load  
0.55 amp @ 28 VDC; 0.25 amp @ 115 VAC.  
**Current Carrying Capacity:** 7 amps.  
**Dielectric Strength:** 750 VAC between current carrying parts and ground.  
**Contact Resistance:** Average initial 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:** Glass, diallyl phthalate, 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 Angle:** Positive 30° standard, 36°, and 45° available.  
**Index Stops:** Fixed or Continuous available.  
**Stop Strength:** 10 in. lbs. minimum.

### STANDARD PART NO.

**EPOXY GLASS INSULATION**  
SWITCHES - SOLDER LUG TERMINALS - 30° INDEX

POLES	ACTIVE POSITIONS	POLES/SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-12	1	1	D1G0112S-F	D1G0112N-F	DE
02	02-12	1	2	D1G0212S-F	D1G0212N-F	DE
02	02-06	2	1	D1G0206S-F	D1G0206N-F	DL
03	02-12	1	3	D1G0312S-F	D1G0312N-F	DE
03	02-05	3	1	D1G0305S-F	D1G0305N-F	DO
04	02-06	2	2	D1G0406S-F	D1G0406N-F	DL
06	02-06	2	3	D1G0606S-F	D1G0606N-F	DL
06	02-05	3	2	D1G0605S-F	D1G0605N-F	DO

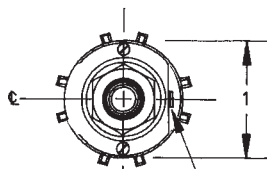
**CERAMIC INSULATION**  
SWITCHES - SOLDER LUG TERMINALS - 30° INDEX

POLES	ACTIVE POSITIONS	POLES/SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-11	1	1	D1C0111S-F	D1C0111N-F	DB
02	02-11	1	2	D1C0211S-F	D1C0211N-F	DB
02	02-05	2	1	D1C0205S-F	D1C0205N-F	DG
03	02-11	1	3	D1C0311S-F	D1C0311N-F	DB
03	02-03	3	1	D1C0303S-F	D1C0303N-F	DN
04	02-05	2	2	D1C0405S-F	D1C0405N-F	DG
06	02-05	2	3	D1C0605S-F	D1C0605N-F	DG
06	02-03	3	2	D1C0603S-F	D1C0603N-F	DN

\* FIGURES ARE SHOWN ON PAGES 55 AND 56.

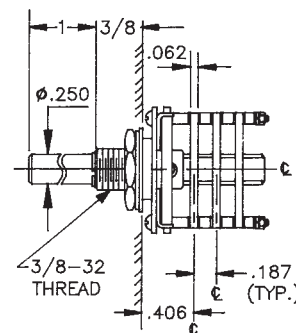
### DIMENSIONS

#### STANDARD CONSTRUCTION



NON-TURN LUG  
.125W X .035 THK.  
.375 FROM  $\epsilon$   
.063 ENGAGEMENT

#### D1G - STANDARD GLASS EPOXY CONSTRUCTION



#### D1C CERAMIC INSULATION

