

# D5 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

1.437" DIAMETER 1.5 AMPS @ 28 VDC

The D5 Series switch is an economical single section switch utilizing glass epoxy insulation, staked construction, and printed circuit board or solder lug terminals. The formed spring index uses a small face plate area with detenting available up to 12 positions.



### 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:** In excess of 750,000 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 epoxy.  
**Index:** Formed spring, hill and valley 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.  
**Index Stops:** Fixed or continuous.  
**Stop Strength:** 25 in. lbs. minimum.

### STANDARD PART NUMBER

#### SOLDER LUG TERMINALS

SWITCHES - 30° INDEXING - FIXED STOPS

| ACTIVE<br>POLES | POLES/<br>POSITIONS | POLES/<br>SECTION | NO. OF<br>SECTIONS | SHORTING | NON-<br>SHORTING | FIG.<br>★ |
|-----------------|---------------------|-------------------|--------------------|----------|------------------|-----------|
| 01              | 06                  | 1                 | 1                  | D5G0106S | D5G0106N         | DB        |
| 01              | 08                  | 1                 | 1                  | D5G0108S | D5G0108N         | DB        |
| 01              | 10                  | 1                 | 1                  | D5G0110S | D5G0110N         | DB        |
| 01              | 11                  | 1                 | 1                  | D5G0111S | D5G0111N         | DB        |
| 02              | 04                  | 2                 | 1                  | D5G0204S | D5G0204N         | DG        |
| 02              | 05                  | 2                 | 1                  | D5G0205S | D5G0205N         | DG        |
| 03              | 03                  | 3                 | 1                  | D5G0303S | D5G0303N         | DN        |

#### PRINTED CIRCUIT BOARD TERMINALS

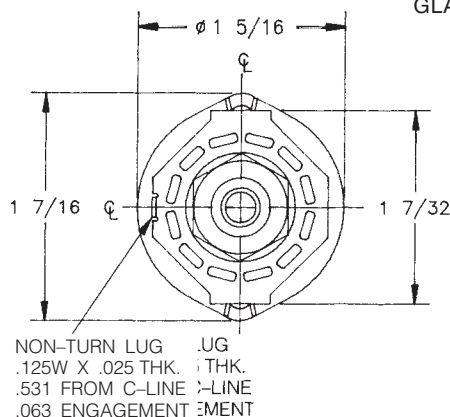
SWITCHES - 30° INDEXING - FIXED STOPS

| ACTIVE<br>POLES | POLES/<br>POSITIONS | POLES/<br>SECTION | NO. OF<br>SECTIONS | SHORTING     | NON-<br>SHORTING | FIG.<br>★ |
|-----------------|---------------------|-------------------|--------------------|--------------|------------------|-----------|
| 01              | 06                  | 1                 | 1                  | D5G0106S - R | D5G0106N - R     | DB        |
| 01              | 08                  | 1                 | 1                  | D5G0108S - R | D5G0108N - R     | DB        |
| 01              | 10                  | 1                 | 1                  | D5G0110S - R | D5G0110N - R     | DB        |
| 01              | 11                  | 1                 | 1                  | D5G0111S - R | D5G0111N - R     | DB        |
| 02              | 04                  | 2                 | 1                  | D5G0204S - R | D5G0204N - R     | DG        |
| 02              | 05                  | 2                 | 1                  | D5G0205S - R | D5G0205N - R     | DG        |
| 03              | 03                  | 3                 | 1                  | D5G0303S - R | D5G0303N - R     | DN        |

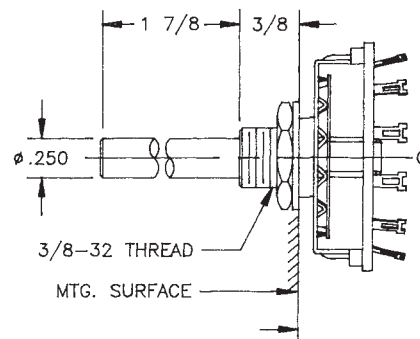
\* FIGURES ARE SHOWN ON PAGES 55 AND 56.

### DIMENSIONS

#### STANDARD CONSTRUCTION



#### D5G GLASS EPOXY CONSTRUCTION



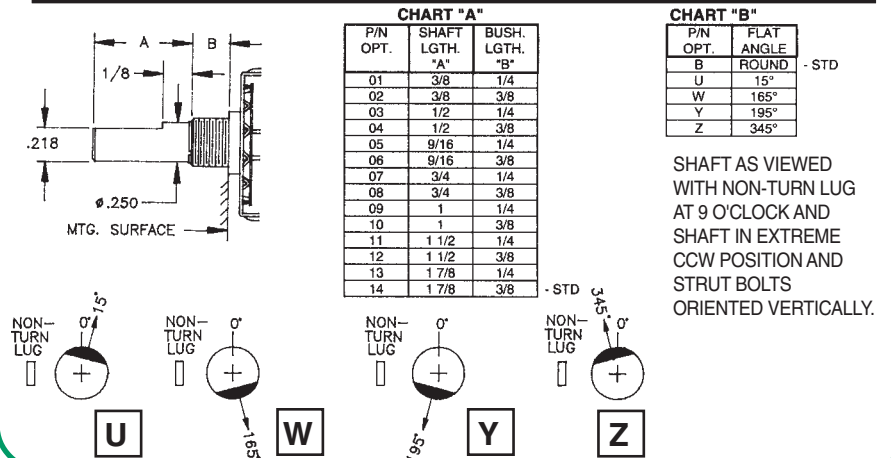
## How to Order Additional Options:

| 2 DIGIT SERIES | INSULATION TYPE | TOTAL POLES | ACTIVE POSITIONS | CONTACT TYPE                     | TERMINAL TYPE                   | INDEX ANGLE | STOP TYPE              | SHAFT/ BUSHING | SHAFT FLAT    |
|----------------|-----------------|-------------|------------------|----------------------------------|---------------------------------|-------------|------------------------|----------------|---------------|
| D5             | G - GLASS       | 01 - MIN.   | 12 - MAX @ 30°   | S - SHORTING<br>N - NON SHORTING | L - SOLDER LUG<br>R - REAR P.C. |             | F - FIXED<br>C - CONT. | SEE CHART "A"  | SEE CHART "B" |

| CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS |          |           |           | ADDITIONAL OPTIONS |           |           |           |
|-------------------------------------------------------|----------|-----------|-----------|--------------------|-----------|-----------|-----------|
| <b>D</b>                                              | <b>5</b> | <b>G</b>  |           |                    |           |           |           |
|                                                       |          | (SPECIFY) | (SPECIFY) | (SPECIFY)          | (SPECIFY) | (SPECIFY) | (SPECIFY) |

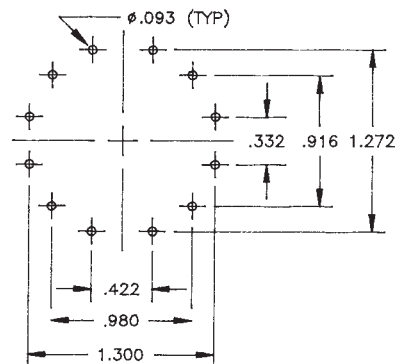
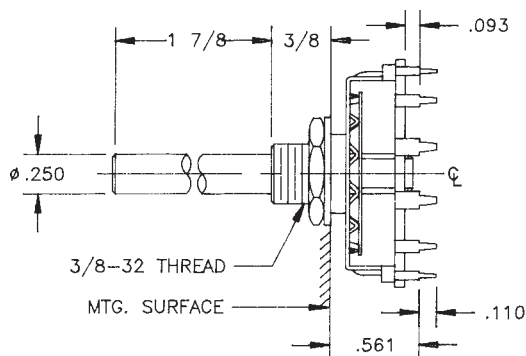
## SHAFT, BUSHING, AND FLAT OPTIONS



## PRINTED CIRCUIT BOARD OPTIONS

**R**

P.C. BOARD MOUNTING PATTERN



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