

# M6 - SERIES

## SPECIFICATIONS AND ORDERING INFORMATION

1 3/4" SQUARE 0.5 AMP @ 28 VDC

The M6 Series was originally designed to meet the requirements of MIL-S-3786/40. Standard construction includes 30° indexing up to 12 positions, solder lug terminals, and adjustable stops. Switching is available up to 32 positions.



### SPECIFICATIONS

#### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load 0.5 amp @ 28 VDC; 0.125 amp @ 115 VAC.

**Current Carrying Capacity:** 10 amps.

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

**Contact Resistance:** Average initial 10 milliohms.

**Insulation Resistance:** 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:** Silver alloy composite as standard.

**Insulation:** Glass epoxy.

**Index:** Dual-ball, 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, 11.25°, 15°, and 22.5° available.

**Index Stops:** Adjustable standard, or continuous.

**Stop Strength:** 50 in. lbs. minimum.

### STANDARD PART NUMBER

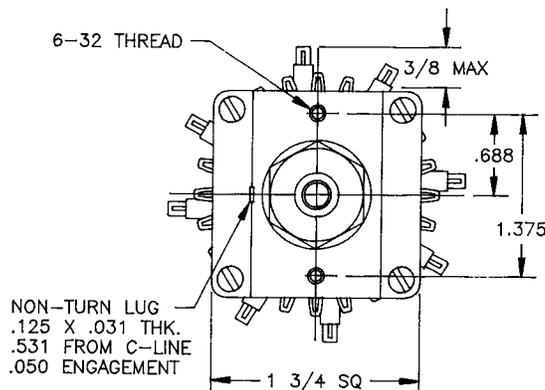
EPOXY GLASS INSULATION SWITCHES - 30° INDEXING  
ADJUSTABLE STOPS SET @ 2 POS. - SOLDER LUG TERMINALS

POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. *
01	02-12	1	1	M6G0112S	M6G0112N	MC
02	02-12	1	2	M6G0212S	M6G0212N	MC
02	02-06	2	1	M6G0206S	M6G0206N	MD
03	02-12	1	3	M6G0312S	M6G0312N	MC
04	02-12	1	4	M6G0412S	M6G0412N	MC
04	02-06	2	2	M6G0406S	M6G0406N	MD
06	02-06	2	3	M6G0606S	M6G0606N	MD
08	02-06	2	4	M6G0806S	M6G0806N	MD

\* FIGURES ARE SHOWN ON PAGE 57.

### DIMENSIONS

STANDARD CONSTRUCTION  
M6G - GLASS EPOXY CONSTRUCTION



REAR SUPPORT SPACERS SUPPLIED WITH 6 OR MORE DECKS

