

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

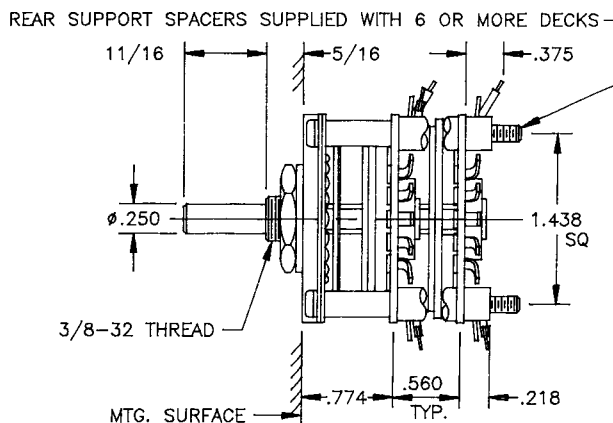
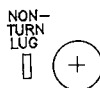
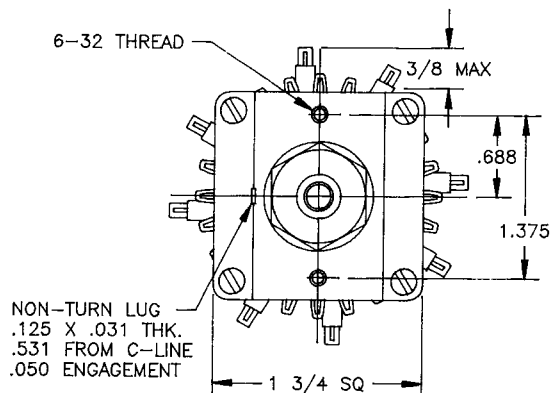
POLES	ACTIVE POSITIONS	POLES/ SECTION	NO. OF SECTIONS	SHORTING	NON-SHORTING	FIG. ★
01	02-12	1	1	M6G0112S	M6G0112N	MC
02	02-12	1	2	M6G0212S	M6G0212N	MC
02	02-06	2	1	M6G0206S	M6G0206N	MD
03	02-12	1	3	M6G0312S	M6G0312N	MC
04	02-12	1	4	M6G0412S	M6G0412N	MC
04	02-06	2	2	M6G0406S	M6G0406N	MD
06	02-06	2	3	M6G0606S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

* FIGURES ARE SHOWN ON PAGE 57.

DIMENSIONS

STANDARD CONSTRUCTION

M6G - GLASS EPOXY CONSTRUCTION



2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
M6	G - GLASS	01 - MIN.	12 - MAX @ 30° 16 - MAX @ 22.5°	N - NON-SHORTING S - SHORTING	L - SOLDER LUG R - REAR P.C.	11.5° 15° 22.5° 30°	A - ADJ. C - CONT.	SEE CHART "A"	SEE CHART "B"
M6	G - GLASS	01 - MIN.	32 - MAX @ 11.5° 24 - MAX @ 15°	S - SHORTING					

CUSTOMERS

M

6

G

(SPECIFY)

(SPECIFY)

(SPECIFY)

(SPECIFY)

(SPECIFY)

(SPECIFY)

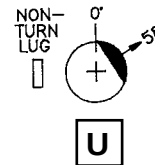
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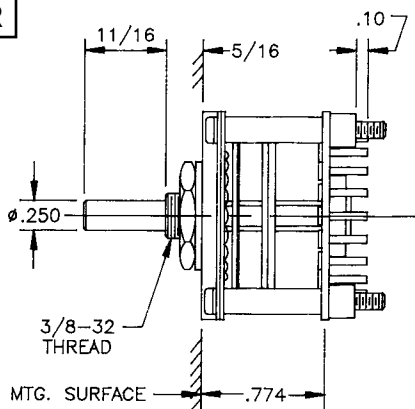
P/N OPT.	SHAFT LGTH. "A"	BUSH. LGTH. "B"
01	11/16	5/16
02	5/8	3/8

P/N OPT.	FLAT ANGLE
B	ROUND - STD
U	58°

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



R



WARD MOUNTING PATTERN

NOTE:

1. LOCATION OF TERMINALS VARY WITH CONTACT CONFIGURATION & INDEXING
2. .10 EFFECTIVE PIN INSERTION LENGTH

Diagram illustrating the terminal pattern layout. The pattern is circular with a diameter of $\phi 1.510$. The distance between the center of the circle and the center of the terminal holes is 1.438 SQ. . The terminal holes are arranged in a circular pattern with a diameter of $\phi .760$ (COMM. TERM'S). The mounting holes have a diameter of $\phi .150$. The pattern includes angular dimensions of 30° , 26° , and 15° between the center lines of the terminal holes. The terminal holes are labeled "TERM. #1". The mounting holes are labeled $\phi .060 / \phi .065$.



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