

M6 - SERIES

SPECIFICATIONS AND ORDERING INFORMATION

44.45 mm 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: 5.65 Nm minimum.

STANDARD PART NUMBER

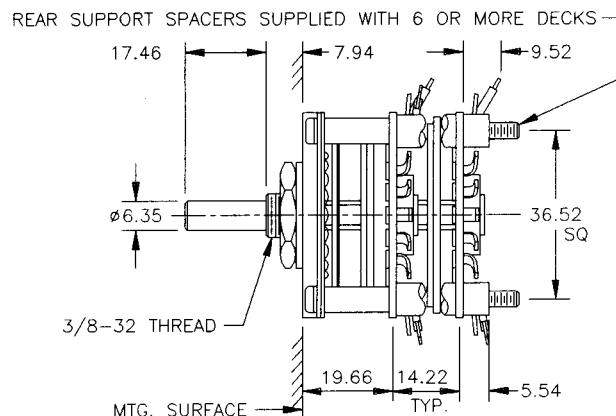
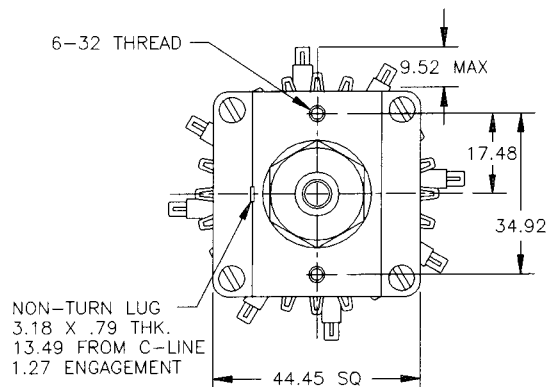
EPOXY GLASS INSULATION SWITCHES - 30° INDEXING
ADJUSTABLE STOPS SET @ 2 POS. - SOLDER LUG TERMINALS

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



How to Order Additional Options:

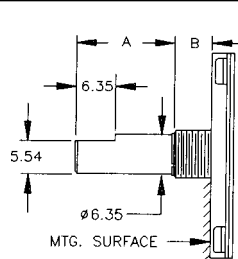
2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	TERMINAL TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
M6	G - GLASS	01 - MIN.	12 - MAX @ 30° 16 - MAX @ 22.5°	N - NON-SHORTING S - SHORTING	L - SOLDER LUG R - REAR P.C.	11.5° 15° 22.5° 30°	A - ADJ. C - CONT.	SEE CHART "A"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

CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS

M	6	G	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)

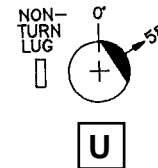
ADDITIONAL OPTIONS

SHAFT, BUSHING, AND FLAT OPTIONS



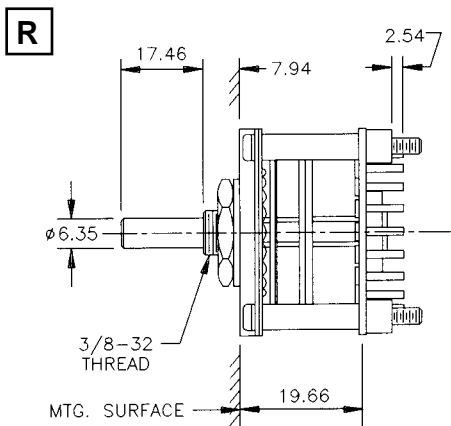
P/N OPT.	SHAFT LGTH. "A"	BUSH LGTH. "B"
01	17.46	7.94
02	15.88	9.53

P/N OPT.	FLAT ANGLE
B	ROUND
U	58°

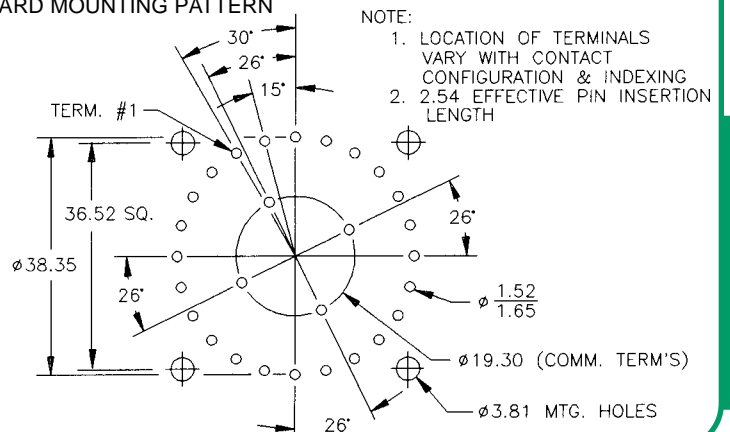


SHAFT AS VIEWED WITH NON-TURN LUG AT 9 O'CLOCK AND SHAFT IN EXTREME CCW POSITION AND STRUT BOLTS ORIENTED VERTICALLY.

PRINTED CIRCUIT BOARD OPTIONS



P.C. BOARD MOUNTING PATTERN



- NOTE:
1. LOCATION OF TERMINALS VARY WITH CONTACT CONFIGURATION & INDEXING
 2. 2.54 EFFECTIVE PIN INSERTION LENGTH

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