



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# M5 - SERIES

1" DIAMETER 2.0 AMPS @ 28 VDC

## SPECIFICATIONS AND ORDERING INFORMATION

The M5 Series was originally designed to meet the requirements of MIL-S-3786/4. Standard construction includes 30° indexing up to 12 positions, solder lug terminals and adjustable stops. A very reliable switch for long life.



### SPECIFICATIONS

#### ELECTRICAL

**Current and Voltage Rating:** Make and break resistive load 2.0 amps @ 28 VDC; 2.5 amp @ 120 VAC.

**Current Carrying Capacity:** 12 amps.

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

**Contact Resistance:** Average initial 5 milliohms.

**Insulation Resistance:** In excess of 100,000 megohms

**Hardware:** Mounting nut and lockwasher are shipped assembled.

#### MECHANICAL

**Materials and Finishes:** All parts utilize non-corrosive materials as standard.

**Terminals:** Copper alloy with silver plating as standard.

**Insulation:** Diallyl phthalate.

**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, 36°, 45°, 60°, and 90° available.

**Index Stops:** Fixed standard, adjustable, or continuous.

**Stop Strength:** 15 in. lbs. minimum.

### STANDARD PART NUMBER

#### ADJUSTABLE STOPS

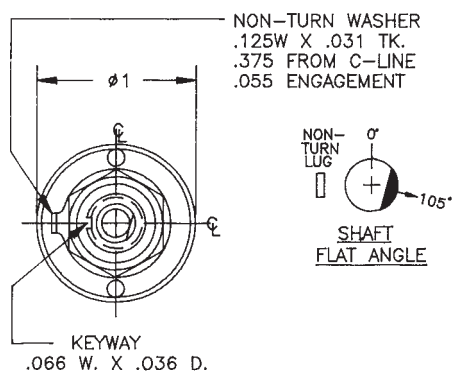
SWITCHES - 30° INDEXING - STOPS SET @ 2 POS. - SOLDER LUG TERMINALS

POLES	ACTIVE POSITIONS	POLES/ DECK	NO. OF DECKS	SHORTING	NON-SHORTING	FIG. ★
01	02-12	1	1	M5D0112S - A	M5D0112N - A	CE
02	02-12	1	2	M5D0212S - A	M5D0212N - A	CE
02	02-06	2	1	M5D0206S - A	M5D0206N - A	CJ
03	02-12	1	3	M5D0312S - A	M5D0312N - A	CE
04	02-12	1	4	M5D0412S - A	M5D0412N - A	CE
04	02-06	2	2	M5D0406S - A	M5D0406N - A	CJ
06	02-06	2	3	M5D0606S - A	M5D0606N - A	CJ
08	02-06	2	4	M5D0806S - A	M5D0806N - A	CJ

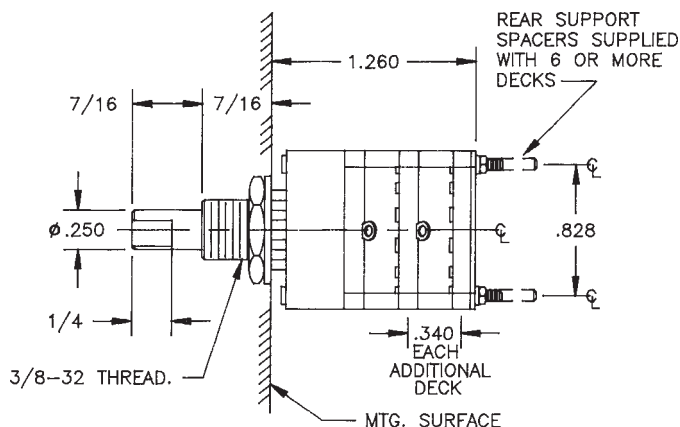
\* FIGURES ARE SHOWN ON PAGE 55.

### DIMENSIONS

#### STANDARD CONSTRUCTION



#### M5D - DIALYL PHTHALATE CONSTRUCTION



**ELECTROSWITCH • ELECTRONIC PRODUCTS**  
UNIT OF ELECTRO SWITCH CORP.

2010 Yonkers Road  
Raleigh, NC 27604

Telephone: (888) ROTARYS or (919) 833-0707  
Fax: (800) 909-9171 or (919) 833-8016

## How to Order Additional Options:

2 DIGIT SERIES	INSULATION TYPE	TOTAL POLES	ACTIVE POSITIONS	CONTACT TYPE	INDEX ANGLE	STOP TYPE	SHAFT/ BUSHING	SHAFT FLAT
M5	D - DIALLYL	01 - MIN.	12 - MAX @ 30° 10 - MAX @ 36° 08 - MAX @ 45° 06 - MAX @ 60° 04 - MAX @ 90°	S - SHORTING N - NON SHORTING	30° 36° 45° *60° *90°	F - FIXED A - ADJ. (30° AND 36° ONLY) C - CONT.	SEE CHART "A"	SEE CHART "B"

\*NOT AVAILABLE IN SHORTING

CUSTOMERS SPECIFIED ORDER NUMBER FOR STANDARD OPTIONS					ADDITIONAL OPTIONS				
<b>M</b>	<b>5</b>	<b>D</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
			(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)	(SPECIFY)

## SHAFT, BUSHING, AND FLAT OPTIONS

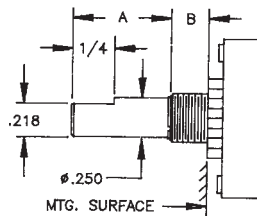
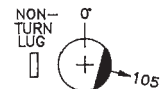


CHART "A"		
P/N OPT.	SHAFT LGTH. "A"	BUSH. LGTH. "B"
01	7/16	7/16
02	3/8	5/16

CHART "B"	
P/N OPT.	FLAT ANGLE
U	105°
B	ROUND

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



**U**

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