

**UL**<sup>®</sup>  
**US**

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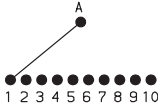
# M Series

## Half-inch Rotary Switches

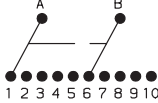
### SWITCH FUNCTION

| 36° INDEXING |                          |                           |                       |
|--------------|--------------------------|---------------------------|-----------------------|
| NO. POLES    | MODEL NO. WITH STOP PINS | MODEL NO. WITH STOP RINGS | SWITCH FUNCTION       |
| SP           | MA00                     | ME00                      | 10 Positions No Stops |
|              | MA02                     | —                         | 2 Positions           |
|              | MA03                     | —                         | 3 Positions           |
|              | MA04                     | ME04                      | 4 Positions           |
|              | MA05                     | —                         | 5 Positions           |
|              | MA06                     | —                         | 6 Positions           |
|              | MA10                     | —                         | 10 Positions          |
| DP           | MB00                     | MF00                      | 5 Positions No Stops  |
|              | MB03                     | —                         | 3 Positions           |
|              | MB04                     | —                         | 4 Positions           |
|              | MB05                     | —                         | 5 Positions           |

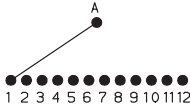
SP MODELS 36° INDEXING SCHEMATIC



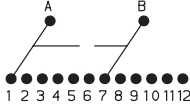
DP MODELS 36° INDEXING SCHEMATIC



SP MODELS 30° INDEXING SCHEMATIC



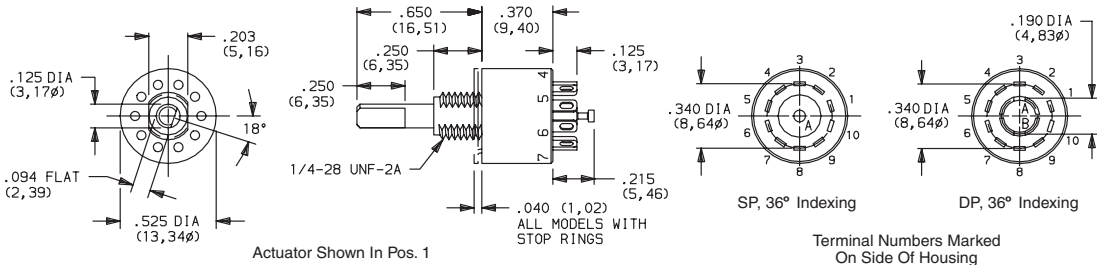
DP MODELS 30° INDEXING SCHEMATIC



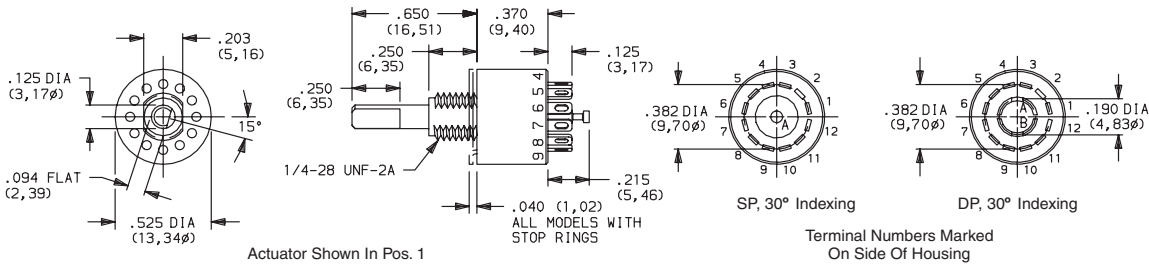
| 30° INDEXING |                          |                           |                       |
|--------------|--------------------------|---------------------------|-----------------------|
| NO. POLES    | MODEL NO. WITH STOP PINS | MODEL NO. WITH STOP RINGS | SWITCH FUNCTION       |
| SP           | MC00                     | MG00                      | 12 Positions No Stops |
|              | MC03                     | —                         | 3 Positions           |
|              | MC07                     | —                         | 7 Positions           |
|              | MC12                     | —                         | 12 Positions          |
| DP           | MD00                     | MH00                      | 6 Positions No Stops  |
|              | MD06                     | —                         | 6 Positions           |

All models  with all options when ordered with S1-S6 stainless steel actuator options.

**NOTE:** Number of positions or stops preset at factory (NOTE: MX00 models have full 360 rotation with no stops. Stop pins or stop rings supplied for user-selectable stops, see above). All terminals present regardless of number of switch positions. Hardware is available separately, see section "Technical Data and Additional Hardware".



Part number shown: MA00L1NZQD



Part number shown: MC00L1NZQD



Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

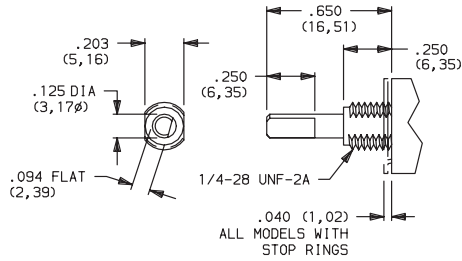


# M Series Half-inch Rotary Switches

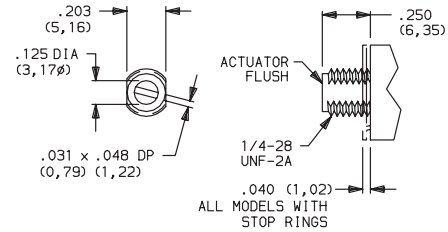
## ACTUATOR (ZINC ALLOY)



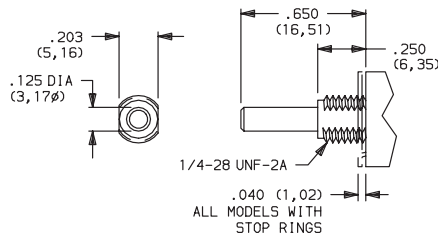
### L1 .650" LONG, FLATTED



### L2 SCREWDRIVER SLOT, FLUSH



### L3 .650" LONG, ROUND

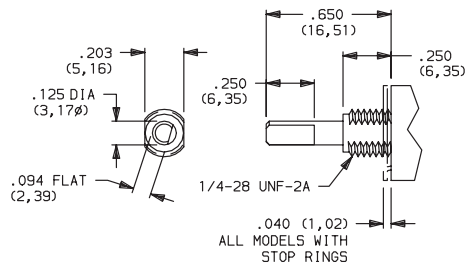


All actuators shown in pos. 1

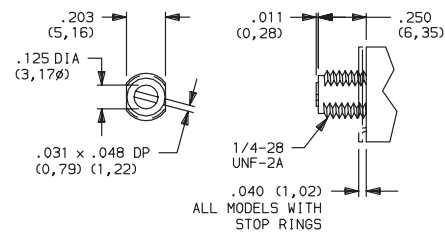
## ACTUATOR (STAINLESS STEEL)



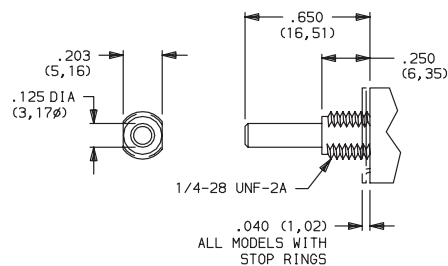
### S1 .650" LONG, FLATTED



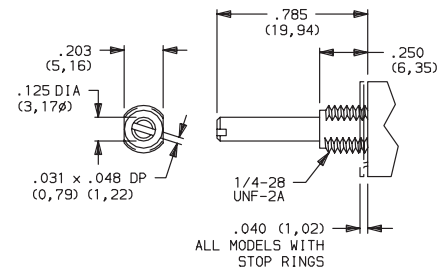
### S2 SCREWDRIVER SLOT, FLUSH



### S3 .650" LONG, ROUND



### S6 .785" LONG, SLOT



All actuators shown in pos. 1

All models  when ordered with stainless steel actuators.



Third Angle  
Projection

Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change

# M Series Half-inch Rotary Switches

## SHORTING/NON-SHORTING CONTACTS



### N NON-SHORTING CONTACTS

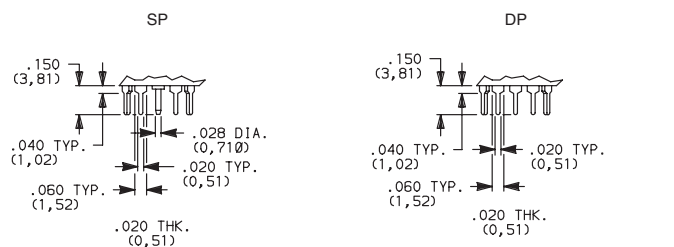
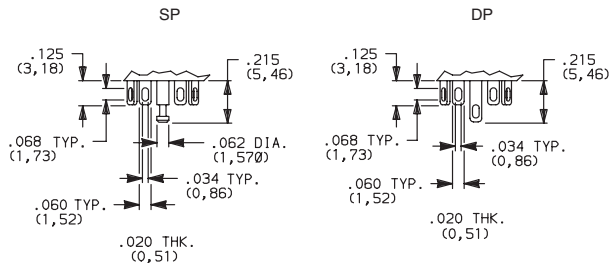
Break-before-make

## TERMINATIONS



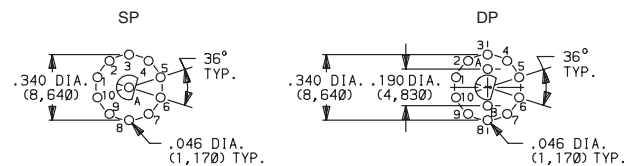
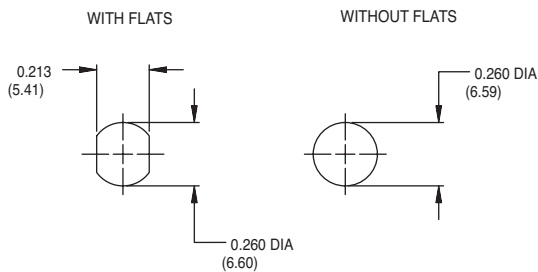
### Z SOLDER LUG

### C PC THRU-HOLE

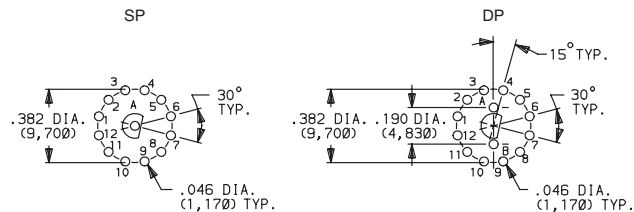


### PANEL MOUNTING

### PC MOUNTING 36° INDEXING



### PC MOUNTING 30° INDEXING



Hardware: All models, one mounting nut and lockwasher supplied standard. MA00 thru MD00 models: two stop pins and adhesive mylar washer supplied. ME00 thru MH00 models: two stop rings supplied. Hardware is available separately, see section "Technical Data and Additional Hardware".

\* Will withstand 12 in. - lbs of torque with no distortion.

**NOTE:** Q contact material standard. Terminal numbers marked on side of housing. All terminals insert molded. All terminals present regardless of number of switch positions.

Actuators and schematics shown in pos. 1.

## CONTACT MATERIAL



| OPTION CODE | CONTACT MATERIAL                 | TERMINAL PLATING    | RATING                         |                                                                                                      |
|-------------|----------------------------------|---------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Q</b>    | SILVER <sup>1, 2</sup>           | SILVER <sup>2</sup> | POWER                          | CARRY: 6 AMPS CONTINUOUS. SWITCH: 250 mA @ 125 V AC or 28 V DC.                                      |
| <b>G</b>    | GOLD OVER SILVER <sup>3, 4</sup> | GOLD <sup>4</sup>   | LOW LEVEL/DRY CIRCUIT OR POWER | 0.4 VA MAX. @ 20 V AC or DC MAX. or, CARRY: 6 AMPS CONTINUOUS. SWITCH: 250 mA @ 125 V AC or 28 V DC. |

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definition and specifications.

<sup>1</sup> MOVABLE CONTACTS: Non-shorting: Copper alloy, silver plated.

<sup>2</sup> STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

<sup>3</sup> MOVABLE CONTACTS: Non-shorting: Copper alloy, with gold plate over nickel plate, over silver plate.

<sup>4</sup> STATIONARY CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate over silver plate.

**NOTE:** Any models supplied with Q, G contact material are RoHS compliant.

All models  when ordered with S1-S6 stainless steel actuator options.



Third Angle Projection

Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change



K

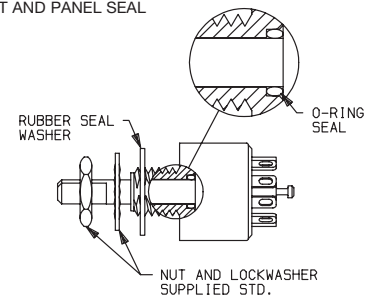
Rotary

# M Series Half-inch Rotary Switches

SEAL 

**D** NO EPOXY SEAL

**F** SPLASHPROOF SHAFT AND PANEL SEAL  
IP67 approved



## Setting Stops With Stop Pins

### MA00, MB00, MC00 & MD00 Models Only:

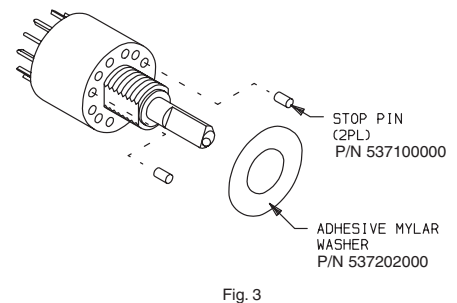
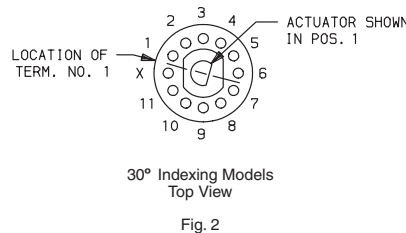
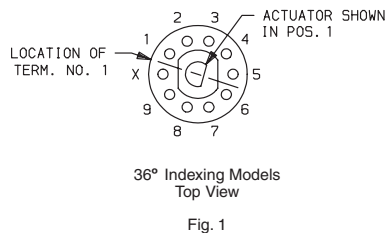
The number of switch positions or stops are adjustable by means of stop pins provided with each switch. Switches are normally shipped with stop pins and hardware in bulk, not installed. Without stop pins, switches have full 360° rotation and no stops. Note that all two pole models begin to repeat when actuated 180° or more.

To set stops, refer to figures 1 & 2. Orient switch so that terminal no. 1 is as shown. Turn actuator to position 1, using flats on bushing and terminal no. 1 as reference. Install CCW stop pin in hole designated 'X'. Install second stop pin in hole number corresponding to the number of positions desired. Note that two pole models will begin to repeat when actuated 180° or more. To retain stop pins, use adhesive mylar washer included; see figure 3.

All models except MX00 models have number of switch positions or stops pre-set at factory and are not adjustable.

### Hardware:

Two stop pins, mounting nut, and lockwasher supplied standard.



## Setting Stops With Stop Rings

### ME00, MF00, MG00 & MH00 Models Only:

The number of switch positions or stops are adjustable by means of stop rings provided with each switch. These models are normally shipped with stop rings and hardware in bulk, not installed. Without stop rings, switches have full 360° rotation and no stops. Note that all two pole models begin to repeat when actuated 180° or more.

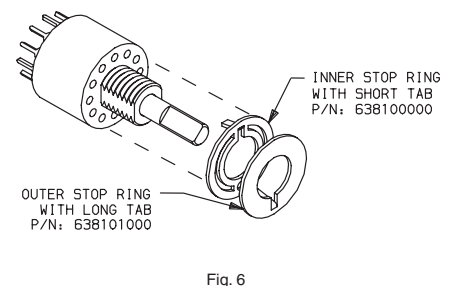
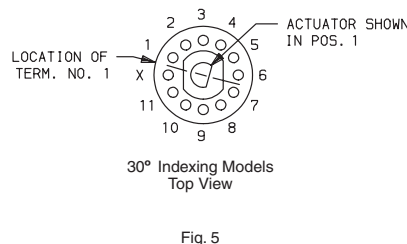
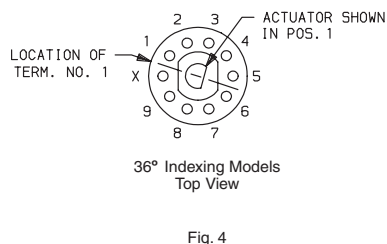
To set stops refer to figures 4 & 5. Orient switch so that terminal no. 1 is as shown. Turn actuator to pos. 1 using flats on bushing and terminal no. 1 as reference. See figure 6 and install inner stop ring with short tab in hole designated 'X'. Install outer stop ring with long tab in hole number corresponding to the number of positions desired. Note that all two pole models begin to repeat when actuated 180° or more. Use mounting nut and lockwasher to retain stop rings.

### All MEXX, MFXX, MGXX & MHXX Models (Except MX00 models):

Number of switch positions or stops are preset at factory, but are user adjustable.

### Hardware:

Two stop rings, mounting nut and lockwasher supplied standard.





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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