

### **Miniature Rotary • Gold Contacts Available**

17-25-09

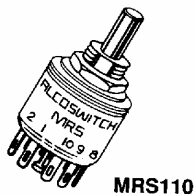
## SPECIFICATIONS

**Contacts:** ..... silver- silver plated Beryllium copper /gold available  
**Contact Rating:** ..... gold- 0.4 VA at 20 VDC max.  
                                         silver- 150 mA at 115 VAC  
**Initial Contact Resistance:** ..... 20 milliohms max.  
**Contact Timing:** ..... non-shorting standard/shorting available  
**Insulation Resistance:** ..... 10,000 megohms min.  
**Dielectric Strength:** ..... 600 volts RMS at sea level  
**Life Expectancy:** ..... 25,000 operations  
**Operating Temperature:** ..... -20°C to +80°C (-4°F to +176°F)  
**Storage Temperature:** ..... -20°C to +100°C (-4°F to +212°F)

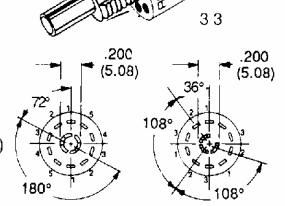
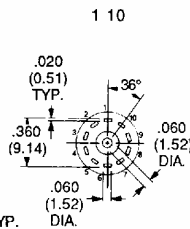
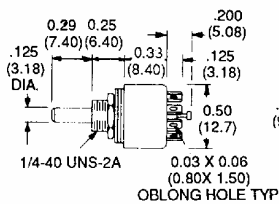
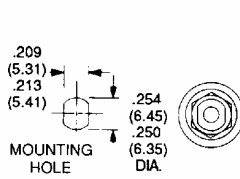
**Case Material:** ..... zinc die cast  
**ActuatorMaterial:** ..... stainless steel  
**Rotation Torque:** ..... 15 inch - ounce average  
**Plunger/Actuator Travel:** ..... 36°  
**Terminal Seal:** ..... insert molded  
**Process Seal:** ..... MRSE only  
**Terminals/Fixed Contacts:** ..... silver plated brass/gold available  
**High Torque Bushing Shoulder:** ..... N/A  
**Solder Heat Resistance:** ..... manual- 270°C for 3 seconds  
 Note: Refer to page M36 for additional options.

**NOTICE: Intermediate stop positions are easily made by properly orienting external stop ring.**

### 36° ANGLE OF THROW

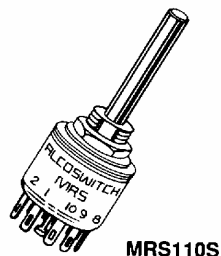


**MRS110**

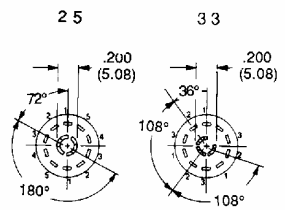
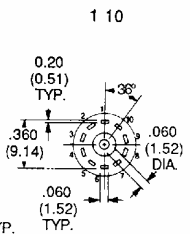
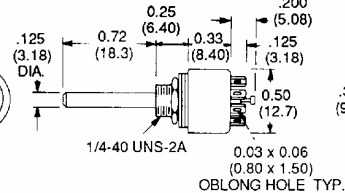
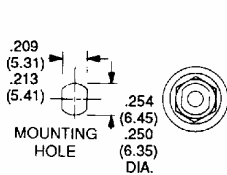


| MODEL   | NO. POLES | MAXIMUM POSITIONS   | SPECIAL DETAILS |
|---------|-----------|---------------------|-----------------|
| MRS110C | 1 POLE    | CONTINUOUS ROTATION | NON-SHORTING    |
| MRS110  | 1 POLE    | 2-10 ADJUSTABLE     | NON-SHORTING    |
| MRS25   | 2 POLES   | 2-5 ADJUSTABLE      | NON-SHORTING    |
| MRS33   | 3 POLES   | 2-3 ADJUSTABLE      | NON-SHORTING    |

### 36° ANGLE OF THROW



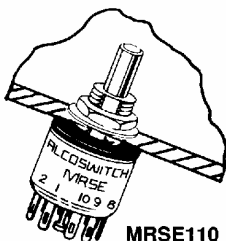
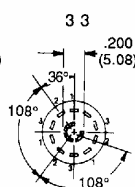
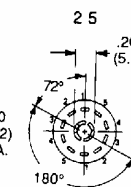
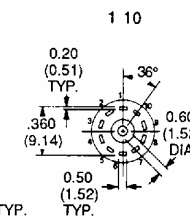
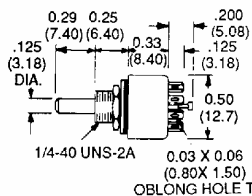
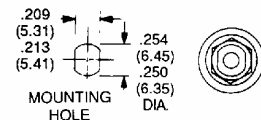
**MRS110S**



|          |         |                     |              |
|----------|---------|---------------------|--------------|
| MRS110CS | 1 POLE  | CONTINUOUS ROTATION | NON-SHORTING |
| MRS110S  | 1 POLE  | 2-10 ADJUSTABLE     | NON-SHORTING |
| MRS25S   | 2 POLES | 2-5 ADJUSTABLE      | NON-SHORTING |
| MRS33S   | 3 POLES | 2-3 ADJUSTABLE      | NON-SHORTING |

**SPLASHPROOF**

### 36° ANGLE OF THROW

**MRSE110**

|         |         |                     |              |
|---------|---------|---------------------|--------------|
| MRSE110 | 1POLE   | FIXED, 10 POSITIONS | NON-SHORTING |
| MRSE25  | 2 POLES | FIXED, 5 POSITIONS  | NON-SHORTING |
| MRSE33  | 3 POLES | FIXED, 3 POSITIONS  | NON-SHORTING |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

# ROTARY SWITCHES

MRS, MRSE, MRSB and MRBA

## HOW TO ORDER INFORMATION

| HOW TO ORDER          |                                                                                                                                                                                                                                                                                        |   |  |   |  |  |  |  |  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|---|--|--|--|--|--|
| MR                    |                                                                                                                                                                                                                                                                                        | - |  | - |  |  |  |  |  |
| SERIES                | S, SE, SB, BA                                                                                                                                                                                                                                                                          |   |  |   |  |  |  |  |  |
| NO. OF POLES          | MAX NO. OF POSITIONS                                                                                                                                                                                                                                                                   |   |  |   |  |  |  |  |  |
| 1                     | 10 (36° EACH) 12 (30° EACH)                                                                                                                                                                                                                                                            |   |  |   |  |  |  |  |  |
| 2                     | 5 6                                                                                                                                                                                                                                                                                    |   |  |   |  |  |  |  |  |
| 3                     | 3 4                                                                                                                                                                                                                                                                                    |   |  |   |  |  |  |  |  |
| OPTIONS               | C = CONTINUOUS ROTATION<br>S = .72" SHAFT LENGTH (EXCEPT MRSB)<br>CONSULT FACTORY FOR CUSTOM SHAFTS<br>BLANK = .29" STANDARD SHAFT LENGTH<br>WITH ADJUSTABLE STOPS (EXCEPT MRSB)<br>CS = CONTINUOUS ROTATION &<br>.72" SHAFT LENGTH (EXCEPT MRSB)<br>CONSULT FACTORY FOR CUSTOM SHAFTS |   |  |   |  |  |  |  |  |
| KNOBS (MRSB ONLY)     | K = MRSB WITH .50" DIAMETER KNOB ATTACHED<br>U = MRSB WITH .58" SKIRTED KNOB ATTACHED                                                                                                                                                                                                  |   |  |   |  |  |  |  |  |
| CONTACTS              | BLANK = SILVER<br>G = GOLD                                                                                                                                                                                                                                                             |   |  |   |  |  |  |  |  |
| CONTACT TIMING        | BLANK = NON-SHORTING<br>X = SHORTING                                                                                                                                                                                                                                                   |   |  |   |  |  |  |  |  |
| TERMINALS             | BLANK = WIRE LUG<br>PC = PRINTED CIRCUIT BOARD TERMINALS<br>RA = RIGHT ANGLE PC                                                                                                                                                                                                        |   |  |   |  |  |  |  |  |
| EXAMPLE: MRS2 6CSGXPC | = MRS SERIES<br>2 POLE<br>6 POSITION<br>CONTINUOUS ROTATION<br>.72" LONG SHAFT<br>GOLD CONTACTS<br>SHORTING<br>P.C. TERMINATION                                                                                                                                                        |   |  |   |  |  |  |  |  |

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