# MR(36° Step)

# **Miniature Rotary Switches**

**RoHS Compliant** 



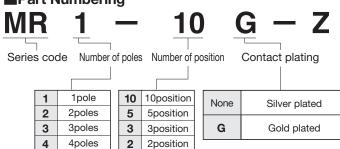
#### **F**eatures

- 1. Diallyl phthalate resin (UL94V-O) which has excellent resistance to arc and heat, and superb insulation quality is employed.
- 2. The terminals are molded in to ensure the permanent seal structure that completely prevents flux entry through the terminals.
- 3. Adoption of the wiping mechanism for the contacting area to ensure contacting stability and reliability.
- 4. The variable stopper is provided to allow free selection of the desired number of positions (excluding MR4-2 type).

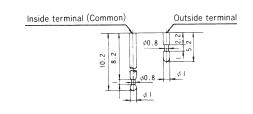
#### Specifications

Contact plating		Silver plated	Gold plated	
Rating	Max.	500mA 125VAC		
	Min.	10mA 5VAC/DC	5mA 6VDC	
Initial contact resistance		10mΩ max.(1A 2~4VDC)	20mΩ max.(1.5mA 200μ VAC)	
Dielectric strength		1,000VAC 1minute		
Insulation resistance		100MΩ min. (500VDC		
Electrical life		10,000 cycles		
Operating force		9.8N•cm max.		
Stopper strength		19.6N•cm		
Operating temperature range		−20~+85°C		
Storage temperature range		−40~+85°C		

# ■Part Numbering



#### ■ Terminal Styles



#### Standard Accessories

**Hex Nut** 

140008010241

1/4"-40 THD

Part name

Part No.

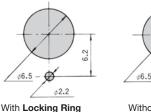
Lockwasher **Locking Ring** stopper 140008030051 140008020066 140000600357

《Supplied with switch》

**Dimensions** Plating Nickel plated Zinc plated Zinc plated

### Panel Cut-Out Dimensions

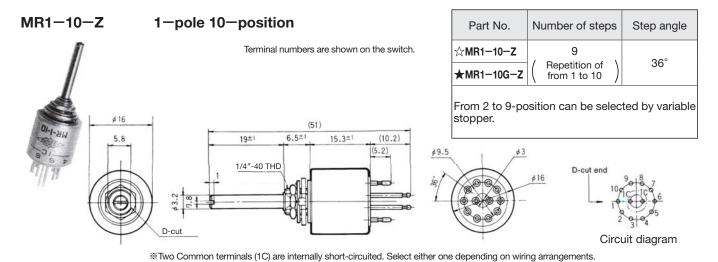
Panel thickness: 2 mm max.

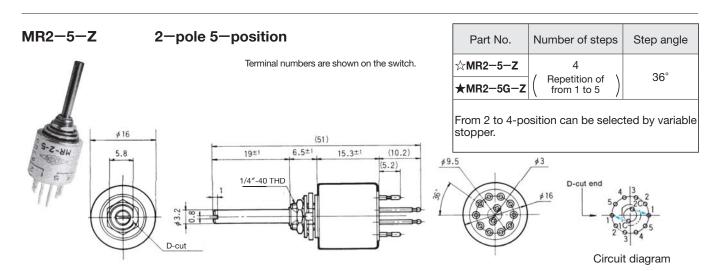


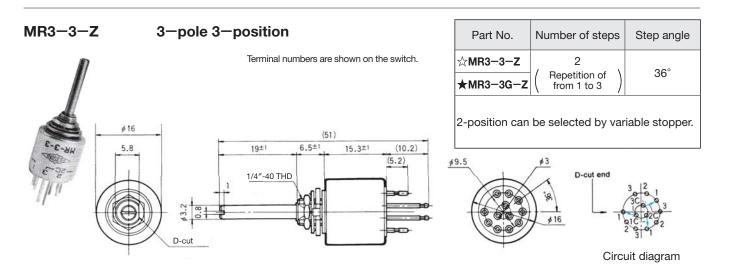
Without Locking Ring

- A wide variety of optional accessories are available. Specify the part number from Optional Accessories Table on page 567.
- ●For Soldering Specifications and Flux Cleaning, see page 572.

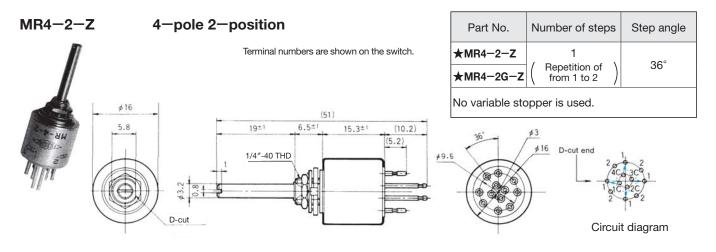
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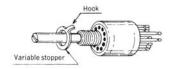


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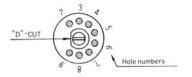


• The circuit diagrams show the switches as viewed from the terminal side with the shaft fully turned in the counter-clockwise direction.

## ■How to Use Variable Stopper



- The required number of positions can be obtained by fully turning the shaft in the counter-clockwise direction and inserting the stopper hook into the select hole of the desired contact number.
- 2. Do not use the variable stopper when all contacts are used.



#### [Example]

Select Hole No. 5 to set 5 positions with MR1-10-Z. Select Hole No. 3 to set 3 positions with MR2-5-Z. Select Hole No. 2 to set 2 positions with MR3-3-Z.

#### ■Optional Accessories (MR、MRE series)

《Sold separately》

		Knob				
Part Name		FB		FN		
Dimensions		is indicator Line		2.1 2-144×0.0.7 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Part No.		140000050598	140000051012	140000050956	140000050601	
Color	Body	Silver	Black	Silver	Black	
	Indicator Line	Black	White	Black	White	
	Body Material	Aluminium		Aluminium		

●For the hexagon wrench for **FB/FN** types, choose the M4 wrench (2mm) available on the market.