MR(36° Step)

Miniature Rotary Switches

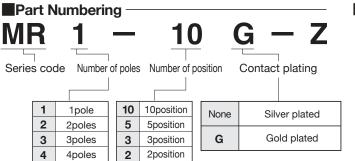
RoHS Compliant



Features -

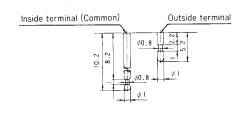
- 1. Diallyl phthalate resin (**UL94V-O**) which has excellent resistance to arc and heat, and superb insulation quality is employed.
- **2.** The terminals are molded in to ensure the permanent seal structure that completely prevents flux entry through the terminals.
- **3.** Adoption of the wiping mechanism for the contacting area to ensure contacting stability and reliability.
- 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		100M Ω min.	n. (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		



Terminal Styles

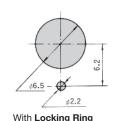
《Supplied with switch》

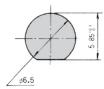


Standard Accessories

Part name	Hex Nut	Lockwasher	Locking Ring	stopper
Part No.	140008010241	140008030051	140008020066	140000600357
Dimensions	1/4 ⁴⁰ THD			
Plating	Nickel plated	Zinc plated	Zinc	olated

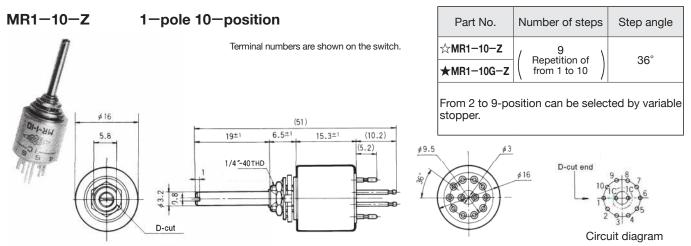
Panel Cut-Out Dimensions – Panel thickness : 2 mm max.



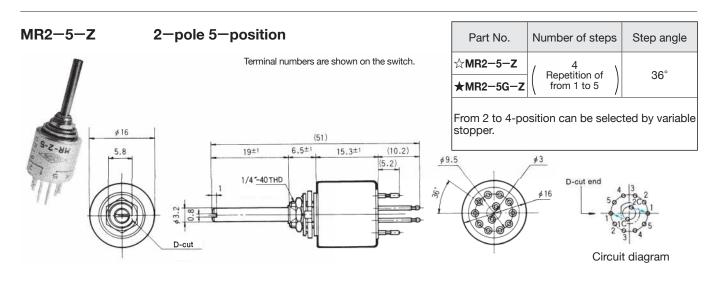


Without Locking Ring

A wide variety of optional accessories are available. Specify the part number from Optional Accessories Table on page 542.
For Soldering Specifications and Flux Cleaning, see page 547.

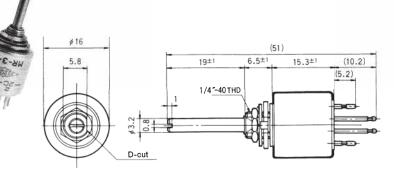


% Two Common terminals (1C) are internally short-circuited. Select either one depending on wiring arrangements.

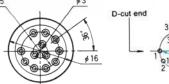


MR3-3-Z	3-pole 3-position

Terminal numbers are shown on the switch.

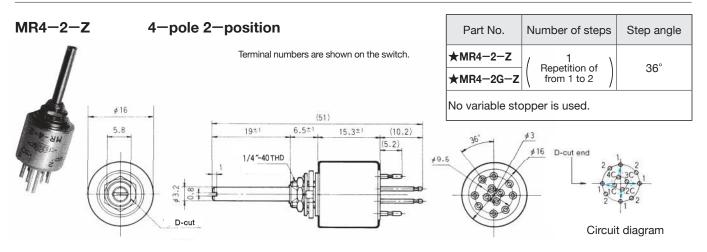


	Part No.	Number of steps	Step angle			
	☆ MR3 –3–Z	$\left(\begin{array}{c} 2\\ \text{Repetition of}\\ \text{from 1 to 3} \end{array}\right)$	36°			
	2-position can be selected by variable stopper.					
ø	9.5	¢3 D-cut end				



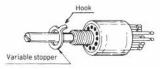


Circuit diagram

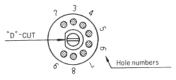


The circuit diagrams show the switches as viewed from the terminal side with the shaft fully turned in the counter-clockwise direction.

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

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.

Sold separately					
	Dort Nomo	ツマミ/Knob			
Part Name		FB	形	FN	形
Dimensions		16 Indiator Line			651
	Part No.	140000050598	140000051012	140000050956	14000050601
Color	Body	Silver	Black	Silver	Black
	Indicator Line	Black	White	Black	White
Body Material		Aluminium		Aluminium	

Optional Accessories (MR, MRE series)

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