MR(36° Step)

Miniature Rotary Switches







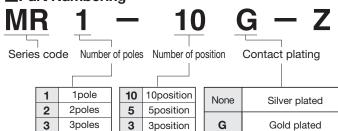
■Features

- Diallyl phthalate resin (UL94V-O) which has excellent resistance to arc and heat, and superb insulation quality is employed.
- 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

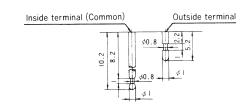
-				
Contact plating		Silver plated	Gold plated	
Rating	Max.	500mA 125VAC		
	Min.	10mA 5VAC/DC	5mA 6VDC	
Initial contact resistance		10mΩ max.(1A 2~4VDC)	20mΩ max.(1.5mA 200μ VAC)	
Dielectric strength		1,000VAC 1minute		
Insulation resistance		100MΩ min. (500VD		
Electrical life		10,000 cycles		
Operating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

Part Numbering



2position

■ Terminal Styles



Standard Accessories

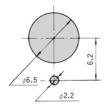
4poles

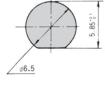
《Supplied with switch》

Part name	Hex Nut	Lockwasher	Locking Ring	stopper
Part No.	140008010241	140008030051	140008020066	140000600357
Dimensions	1/4"-40 THD	[[A P]]	6.5 t=	6.5 t=0.6
Plating	Nickel plated	Zinc plated	Zinc p	olated

Panel Cut-Out Dimensions

Panel thickness: 2 mm max.

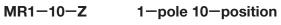


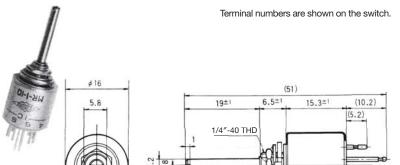


With Locking Ring

Without Locking Ring

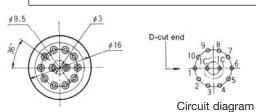
- A wide variety of optional accessories are available. Specify the part number from Optional Accessories Table on page 567.
- For Soldering Specifications and Flux Cleaning, see page 572.





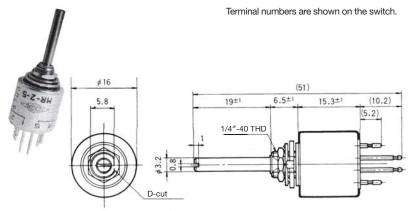
Part No.	Number of steps	Step angle	
☆MR1-10-Z	9	36°	
★ MR1-10G-Z	Repetition of from 1 to 10	30	

From 2 to 9-position can be selected by variable stopper.



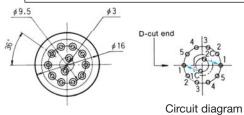
%Two Common terminals (1C) are internally short-circuited. Select either one depending on wiring arrangements.

MR2-5-Z 2-pole 5-position

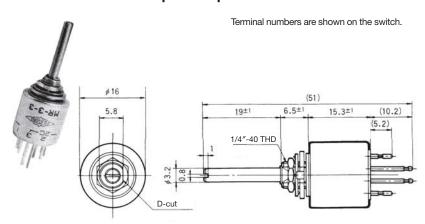


Part No.	Number of steps	Step angle	
☆MR2-5-Z	4	o.c°	
★MR2-5G-Z	Repetition of from 1 to 5	36°	

From 2 to 4-position can be selected by variable stopper.

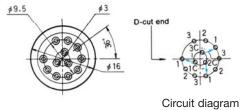


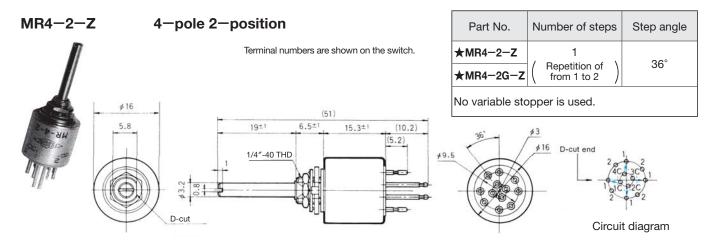
MR3-3-Z 3-pole 3-position



Part No.	Number of steps	Step angle	
☆MR3-3-Z	2	36°	
★MR3-3G-Z	Repetition of from 1 to 3	30	

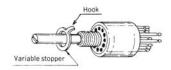
2-position can be selected by variable stopper.



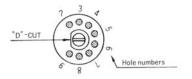


• The circuit diagrams show the switches as viewed from the terminal side with the shaft fully turned in the counter-clockwise direction.

■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		F	В	F	N	
Dimensions		is indicator Line		13 9 Indicator Lies 130		
Part No.		140000050598	140000051012	140000050956	140000050601	
Color	Body	Silver	Black	Silver	Black	
	Indicator Line	Black	White	Black	White	
Body Material		Alum	Aluminium		Aluminium	

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