imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MR(36° Step)

Miniature Rotary Switches



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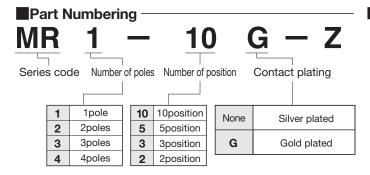
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Features -

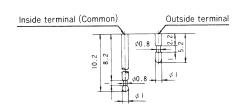
- 1. Diallyl phthalate resin (**UL94V-O**) which has excellent resistance to arc and heat, and superb insulation quality is employed.
- **2.** The terminals are molded in to ensure the permanent seal structure that completely prevents flux entry through the terminals.
- **3.** Adoption of the wiping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



Terminal Styles

(Supplied with switch)

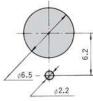


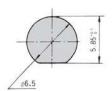
Standard Accessories

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	plated

Panel Cut-Out Dimensions -

Panel thickness : 2 mm max.

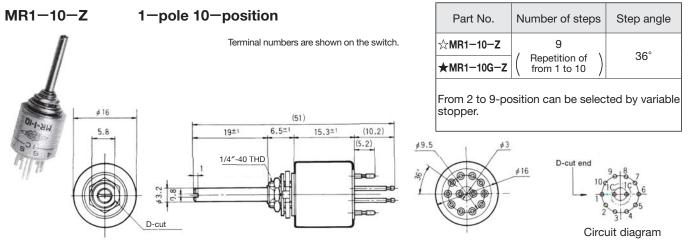




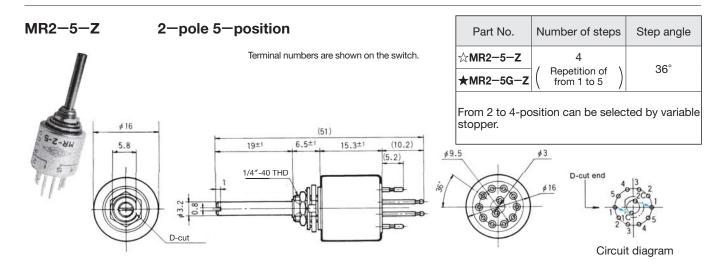
With Locking Ring

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.



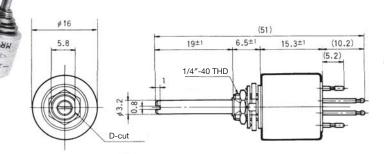
%Two Common terminals (1C) are internally short-circuited. Select either one depending on wiring arrangements.



MR3-3-Z

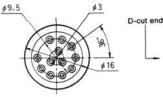
3-pole 3-position

Terminal numbers are shown on the switch.



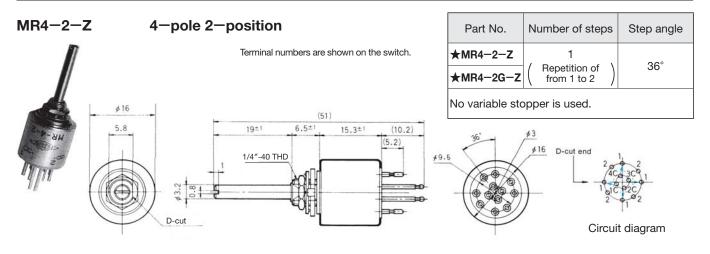
Part No.	Number of steps	Step angle	
☆MR3–3–Z	2	36°	
★MR3-3G-Z	(Repetition of from 1 to 3	30	

2-position can be selected by variable stopper.



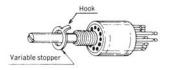


Circuit diagram

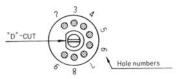


• The circuit diagrams show the switches as viewed from the terminal side with the shaft fully turned in the counter-clockwise direction.

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 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							
Part Name		Knob					
		FB		FN			
Dimensions				13 200000-2 11 200000-2 10 20000-2 2000-2 200-2 200-2 200-20	1.00 1.0 1.0 1.0 1.0 1.0		
Part No.		14000050598	140000051012	14000050956	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.