

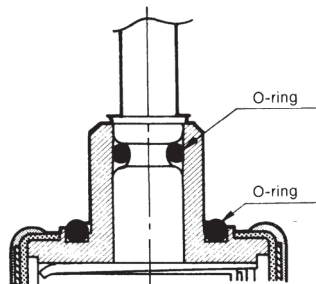
MRE(36° Step)

Panel Seal

Miniature Rotary Switches

RoHS Compliant

The panel sealing capability of the switch ensures no problem when it is left in water 1 meter deep for 30 minutes. However, do not operate the switch in water.



■ Features

1. The switch is designed for panel seal. The built-in O-ring prevents entry of water drops and dust through the panel.
2. Diallyl phthalate resin (UL94V-0), which has excellent resistance to arc and heat, and superb insulation quality is employed.
3. The terminals are molded in to ensure the permanent seal structure which completely prevents flux entry through the terminals.
4. Adoption of the wiping mechanism for the contacting area to ensure contact stability and reliability.

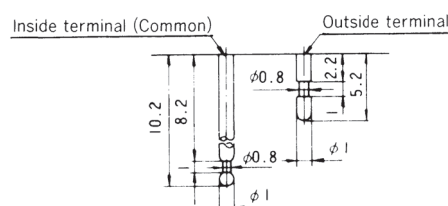
■ Specifications

Contact plating.		Silver plated	Gold plated
Rating	Max.	500mA 125VAC	
	Min.	10mA 5VAC/DC	5mA 6VDC
Initial contact resistance		10mΩ max. (1A2~4VDC)	20mΩ max. (1.5mA 200μVAC)
Dielectric strength		1,000VAC 1 minute	
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

MR	E	1	—	10	G	—	Z
Series code		Number of poles		Number of position		Contact plating	
Actuator shape		1 1pole	2 2poles	10 10position	5 5position	None Silver plated	G Gold plated
E Waterproof type		3 3poles	4 4poles	3 3position	2 2position	G Gold plated	

■ Terminal Style

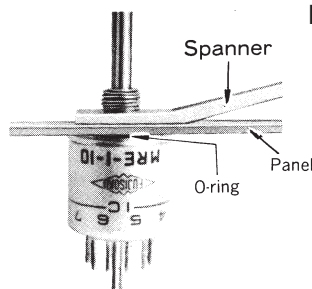


■ Standard Accessories

《Supplied with switch》

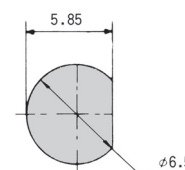
Part Name	Hex Nut	Lockwasher	O—Ring
Part No.	140008010241	140008030051	140000610111
Dimensions			
Finish	Nickel plated	Zinc plated	Black Nitril rubber

■ Panel mounting



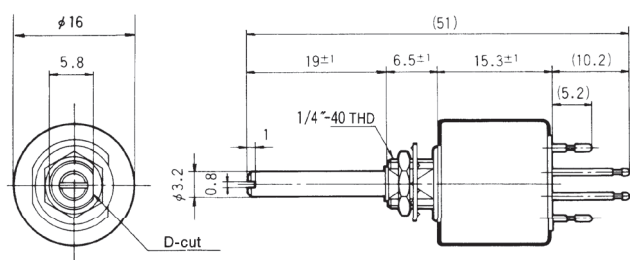
■ Panel Cut-Out Dimensions

Panel thickness : 3.5 mm max.

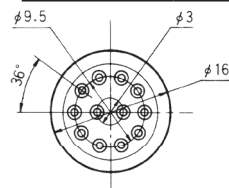


MRE1-10-Z 1-pole 10-position

Terminal numbers are shown on the switch.



Part No.	Number of steps	Step angle
★MRE1-10-Z	9 Repetition of from 1 to 10	36°
★MRE1-10G-Z		



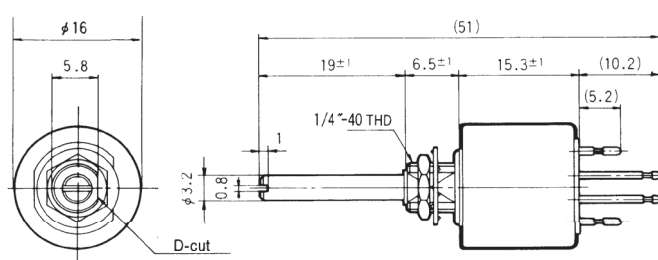
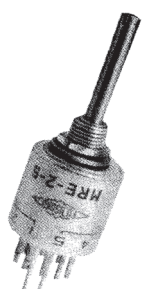
D-cut end

Circuit diagram

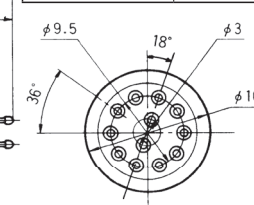
※Two Common terminals (1C) are internally short-circuited. Select either one depending on wiring arrangements.

MRE2-5-Z 2-pole 5-position

Terminal numbers are shown on the switch.



Part No.	Number of steps	Step angle
★MRE2-5-Z	4 Repetition of from 1 to 5	36°
★MRE2-5G-Z		

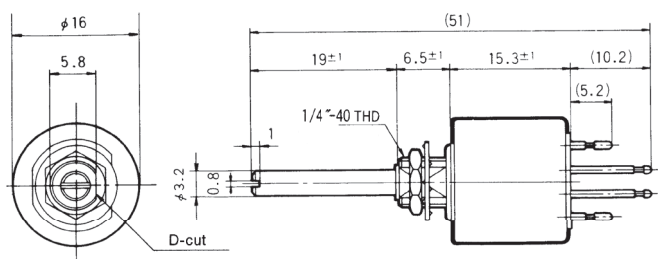


D-cut end

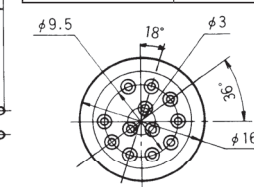
Circuit diagram

MRE3-3-Z 3-pole 3-position

Terminal numbers are shown on the switch.



Part No.	Number of steps	Step angle
★MRE3-3-Z	2 Repetition of from 1 to 3	36°
★MRE3-3G-Z		

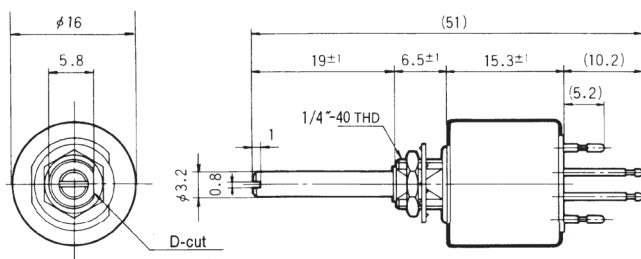


D-cut end

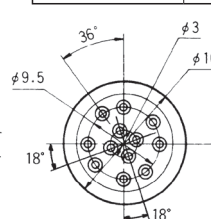
Circuit diagram

MRE4-2-Z 4-pole 2-position

Terminal numbers are shown on the switch.



Part No.	Number of steps	Step angle
★MRE4-2-Z	1 Repetition of from 1 to 2	36°
★MRE4-2G-Z		



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.

●A wide variety of **optional accessories** are available. Specify the part number from Optional Accessories Table on page 542.