



### SPECIFICATION

Electrical Rating : 3A 250VAC(UL,VDE)  
 Mechanical life: Over 30000 cycles  
 Electrical life: Over 10000 cycles  
 Contact resistance: <20mΩ  
 Insulation resistance: >1000MΩ  
 High voltage resistance: >1500V 1 min.  
 Ambient temperature: Terminal side -20 to +85°C  
   Actuating side -20 to +55°C  
 Storage temperature: -30 to +80°C Max  
 Atmospheric humidity: Max.85%  
 Actuating force: 4 to 8N(depends on different switch function)  
 Flammability: UL94 V-2  
 Temperature rise at the terminal: Max 30°C (UL1054)  
 Solder ability of terminal: Max 350°C ,3s



### MATERIALS

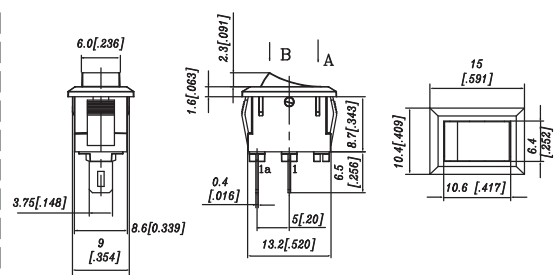
Housing: PA66  
 Rocker: PA66  
 Contacts: Silver alloy  
 Terminal: Brass silver plated  
 Spring: SWC  
 Movable arm: Brass silver plated

### HOW TO ORDER

MRA	1	K	K	E	T	B
Series	Switch Function	Housing Color	Actuator Color	Marking	Terminal Type	Safety Approval
Series				Please see option of Marking (See Page 170)		
1	ON-OFF	W White	W White		T connect tab 3.7(Wide)*0.4(Thick)	B 3 Safety Approvals
2	ON-ON	K Black	K Black			E None Approvals
			R Red			

### OPTIONS OF SWITCH FUNCTION / DIMENSION

Item NO	POLES & THROWS	Rocker position		
		Left	Center	Right
MRA1	SPST	ON	None	OFF
MRA2	SPDT	ON	None	ON



### PANEL CUT OUT

PANEL OUT-CUT		
Z	Y	X
0.7~1.25 [ .028~.049 ]	9.1~9.2 [ .358~.362 ]	13.6~13.8 [ .535~.543 ]
1.25~2.0 [ .049~.079 ]	9.1~9.2 [ .358~.362 ]	13.8~14.0 [ .543~.551 ]
2.0~3.0 [ .079~.118 ]	9.1~9.2 [ .358~.362 ]	14.0~14.1 [ .551~.555 ]

