

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
 Http://www.100y.com.tw

Rocker Switch MRA Series



SPECIFICATION

- Electrical Rating : 3A 250VAC(UL,VDE)
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles
- Contact resistance: <math><20\text{m}\Omega</math>
- Insulation resistance: >1000M Ω
- High voltage resistance: >1500V 1 min.
- Ambient temperature: Terminal side -20 to +85 $^{\circ}\text{C}$
Actuating side -20 to +55 $^{\circ}\text{C}$
- Storage temperature: -30 to +80 $^{\circ}\text{C}$ 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 $^{\circ}\text{C}$ (UL1054)
- Solder ability of terminal: Max 350 $^{\circ}\text{C}$, 3s

MATERIALS

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

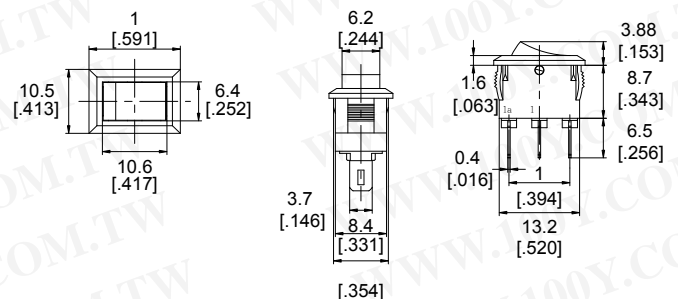
HOW TO ORDER

MRA	1	K	K	E	T	C																												
Series	Switch Function	Housing Color	Actuator Color	Marking	Terminal Type	Safety Approval																												
Series				Please see option of Marking																														
	<table border="1"> <tr><td>1</td><td>ON-OFF</td></tr> <tr><td>2</td><td>ON-ON</td></tr> </table>	1	ON-OFF	2	ON-ON	<table border="1"> <tr><td>G</td><td>Gray</td></tr> <tr><td>W</td><td>White</td></tr> <tr><td>K</td><td>Black</td></tr> </table>	G	Gray	W	White	K	Black	<table border="1"> <tr><td>G</td><td>Gray</td></tr> <tr><td>W</td><td>White</td></tr> <tr><td>K</td><td>Black</td></tr> <tr><td>O</td><td>Orange</td></tr> <tr><td>R</td><td>Red</td></tr> <tr><td>B</td><td>Blue</td></tr> </table>	G	Gray	W	White	K	Black	O	Orange	R	Red	B	Blue		<table border="1"> <tr><td>T</td><td>connect tab 3.7(Wide)*0.4(Thick)</td></tr> </table>	T	connect tab 3.7(Wide)*0.4(Thick)	<table border="1"> <tr><td>C</td><td>3 Safety Approvals</td></tr> <tr><td>E</td><td>None Approvals</td></tr> </table>	C	3 Safety Approvals	E	None Approvals
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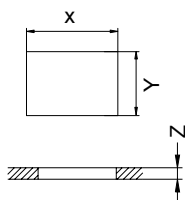
Option of switch function

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

Dimension



Panel cut out



Z	Y	X
0.70~1.25	9.10~9.20	14.10~14.20
1.25~2.00	9.10~9.20	14.20~14.30
2.00~3.00	9.10~9.20	14.30~14.40

Ordering Procedure List

Rating List(一)

R19A(RA)Series Rocker Switch	R19(R9)Series Rocker Switch	R4 Series Rocker Switch	R5 Series Rocker Switch	R6 Series Rocker Switch	RB Series Rocker Switch	RC Series Rocker Switch	RAWP Series Rocker Switch
0	2A 250V AC (UL&VDE)						
2	6A 250V AC (UL&VDE)	6A 250V AC 9A 125V AC (UL) 4(1)A 250V AC (VDE)	10A 250VAC&15A 125VAC (UL) 16A 250VAC(VDE)	10A 250VAC&15A 125VAC (UL) 16A 250VAC(VDE)	6A 250V AC & 10A 125VAC (UL) 4(1)A 250VAC(VDE)	6A 250V AC & 10A 125VAC (UL) 6(1)A 250VAC(VDE)	6A 250V AC (UL&VDE)
5	8A 250VAC 15A 125VAC (UL)	12(4)A 250VAC(VDE) 12A 125VAC (UL)	16A 250VAC & 20A 125VAC (UL) 16A 250VAC (VDE)	16A 250VAC & 20A 125VAC (UL) 16A 250VAC (VDE)		10A 250VAC 15A 125VAC (UL) 10(4) 250VAC(VDE)	10A 250VAC 15A 125VAC (UL) 10(4) 250VAC(VDE)
8		16A 250VAC 21A 125VAC (UL) 16A 250VAC (VDE)					
I		Indicator		Indicator			

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Colour List(二)

Color	K (Black)	W (White)	R (Red)	G (Gray)	B (Blue)	O (Orange)	Y (Yellow)	M (Green)	V (Violet)	C (Coffee)	S (Argentine)
	M (III.Green)	T (III.White)	D (III.Red)	L (III.Gray)	W (ZnPlan dwhite)	F (III.Blue)	C (ZnPlan dwhite)	BK (Black &Red)	KH (Khaki)	Y (III.Yellow)	
Housing											
Actuator											

Marking List(三)



A



B



C



D



E



F



G

Lamp Voltage List(四)

Code	Lamp voltage
0	No lamp
1	NEON lamp (125V)
2	NEON lamp (250V)
3	12VDC
4	24VDC
5	48VDC
6	6VDC
7	3VDC
8	72VDC
9	4VDC
A	36VDC
L	LED lamp


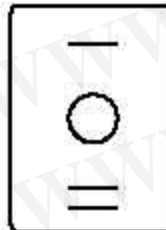
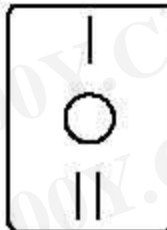


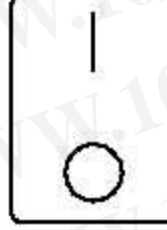

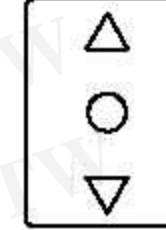






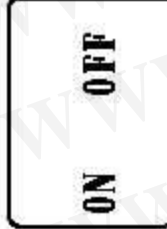

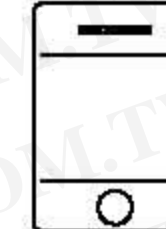

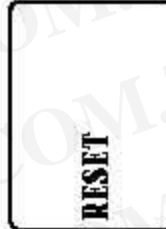
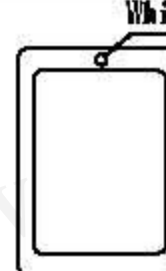



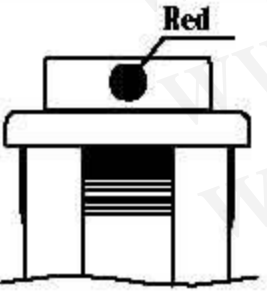
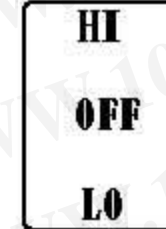
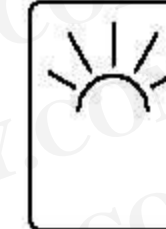
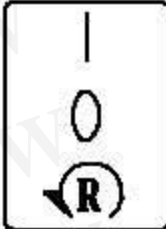
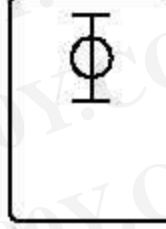




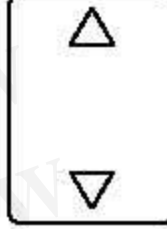

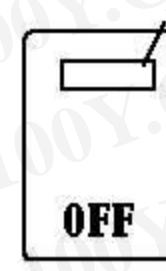
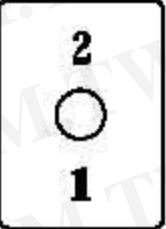


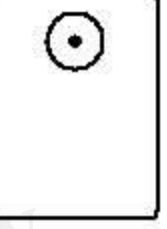
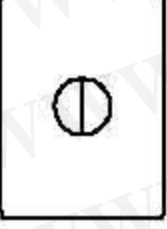
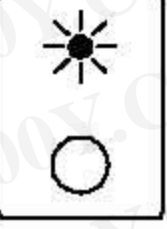



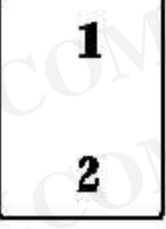


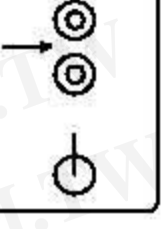


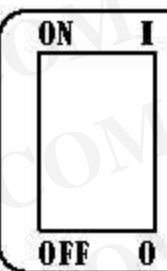

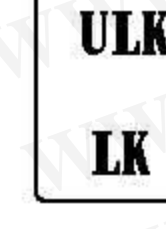
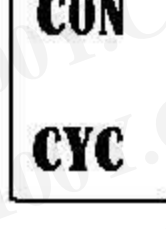



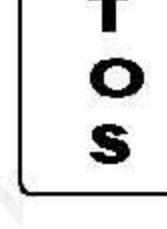




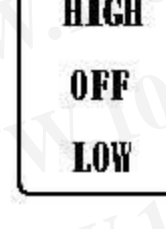

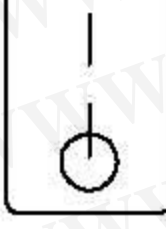

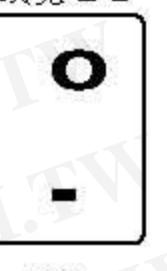


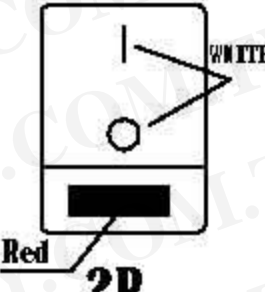
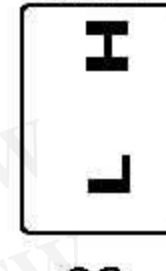




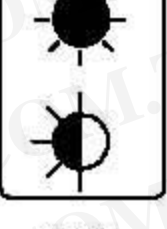
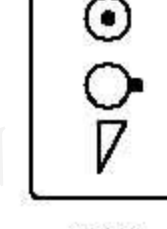

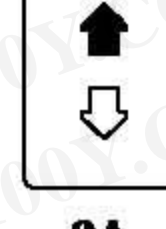


Colour of Lamp List(六)

Code	LAMP COLOR
N	TRANSPARENT NEON LAMP
F	GREEN FLUORESCENT NEON LAMP
B	BLUE FLUORESCENT NEON LAMP
T	TUNGSTEN LAMP
R	RED LED LAMP
M	GREEN LED LAMP
Y	YELLOW LED LAMP
L	LED LAMP
0	Without LED








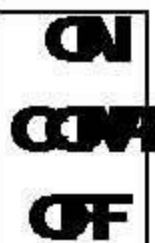

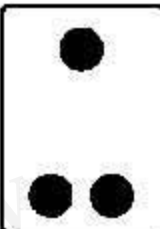







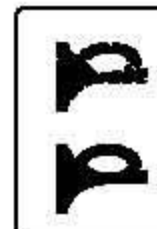






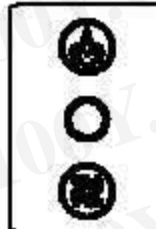



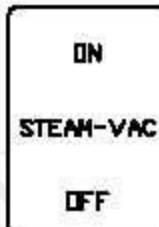
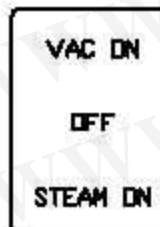



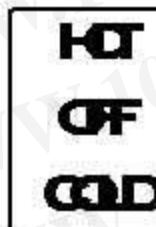

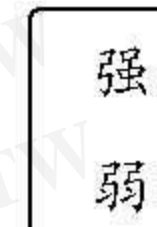

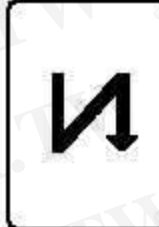
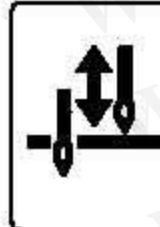






Lamp Name List(五)

Code	Lamp Name
0	No Lamp
L	Led Lamp
T	Tungsten Lamp
N	Transparent Neon Lamp
F	Green Fluorescent Neon Lamp
B	Blue Fluorescent Neon Lamp

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 A	 B	 C	 D	 E	 F	 G	 H	 I
 J	 K	 L	 M	 N	 O	 P	 Q	 R
 S	 T	 U	 V	 W	 X	 Y	 Z	 1A
 1B	 1C	 1D	 1E	 1F	 1G	 1H	 1I	 1J
 1K	 1L	 1M	 1N	 1O	 1P	 1Q	 1R	 1S
 1T	 1U	 1V	 1W	 1X	 1Y	 1Z	 2A	 2B
 2C	 2D	 2E	 2F	 2G	 2H	 2I	 2J	 2K
 2L	 2M	 2N	 2O	 2P	 2Q	 2R	 2S	 2T
 2U	 2V	 2W	 2X	 2Y	 2Z	 3A	 3B	 3C

marking height: 2mm

 3D	 3E	 3F	 3G	 3H	 3I	 3J	 3K	 3L
 3M	 3N	 3O	 3P	 3Q	 3R	 3S	 3T	 3U
 3V	 3W	 3X	 3Y	 3Z	 4A	 4B	 4C	 4D
 4E	 4F	 4G	 4H	 4I	 4J	 4K	 4L	 4M
 4N	 4O	 4P						

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