

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](http://www.100y.com.tw)

Rocker Switch RA(R19A) Series



SPECIFICATION

- Electrical Rating : 2A 125V AC/250V AC(UL,VDE)
6A 250V AC(standard)(UL,VDE)
15A 125V AC & 8A 250V AC(UL)
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles
- Contact resistance: <20m Ω
- Insulation resistance: >1000M Ω
- High voltage resistance: >1500VAC 1 min.
- Ambient temperature: Terminal side -20 to +85 $^{\circ}$ C
Actuating side- 20 to +55 $^{\circ}$ C
- Atmospheric humidity: Max.85%
- Actuating force: 3 to 6N(depends on different switch function)
- Flammability: UL94V-2 & UL94V-0
- Storage temperature: -30 to +80 $^{\circ}$ C Max
- Temperature rise at the terminal: Max 30 $^{\circ}$ C (UL1054)
- Solder ability of terminal: Max 350 $^{\circ}$ C 3s

MATERIALS

- Housing: PA 66
- Rocker: PA 66 & PC
- Contacts: Silver alloy
- Terminal: Copper or brass silver plated,phosphorus bronze
- Spring: SWC
- Movable arm: Copper silver plated
- Lamp: LED
- Bracket: PA66

PADDLE
ROCKER

ROUND
ROCKER

WATERPROOF
CAP

HOW TO ORDER

RA	1	2	K	K	F	T	0	F	P
Series	Switch Function	Rating	Housing Color	Actuator Color	Marking	Terminal	Lamp Color	Safe Approval	Actuator Type
Series					See option of marking	See terminal type			
1	ON-OFF		G Gray				F 4 Safety Approvals		
2	ON-ON		W White				B UL CUL		
3	ON-OFF-ON		K Black						
4	ON-(ON)								
5	OFF-(ON)								
6	(ON)-OFF-(ON)								
7	ON-(OFF)								
8	ON-OFF-(ON)								
9	ON-OFF(WITH LED)								
		0 2A 250V AC	G Gray			R Red LED			P Paddle Switch
		2 6A 250V AC	W White			Y Yellow LED			Rocker Switch
		8A 250V AC	K Black			M Green LED			C Switch Round
		15A 125V AC	O Orange			O Without LED			
			R Red						
			B Blue						

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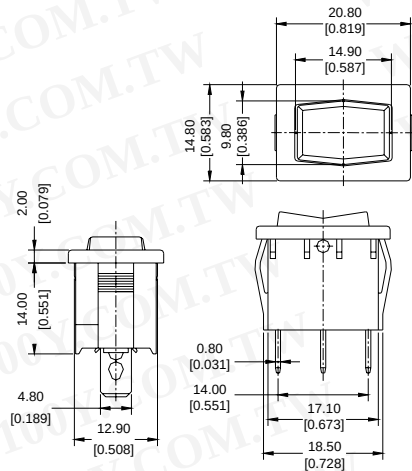
Rocker Switch RA(R19A) Series



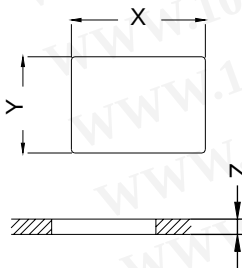
Option of switch function

Item No	POLES & THROWS	Rocker position ():Momentary		
		Left	Center	Right
RA1	SPST	ON	None	OFF
RA2	SPDT	ON	None	ON
RA3	SPDT	ON	OFF	ON
RA4	SPDT	ON	None	(ON)
RA5	SPST	OFF	None	(ON)
RA6	SPDT	(ON)	OFF	(ON)
RA7	SPST	ON	None	(OFF)
RA8	SPDT	ON	OFF	(ON)
RA9	SPST (With LED)	ON	None	OFF

Dimension

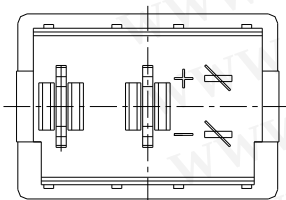


Panel cut out

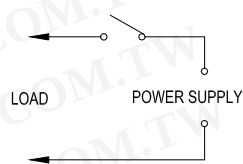


Z	Y	X
0.7~1.25	12.8~12.9	19.2~19.3
1.25~2.0	12.8~12.9	19.3~19.4
2.0~3.0	12.8~12.9	19.5~19.6

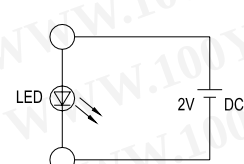
Circuits for switch with lamp



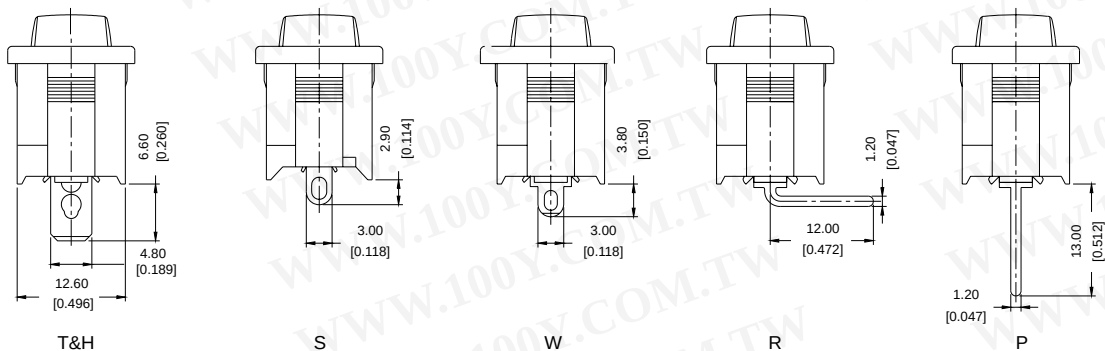
CIRCUIT FOR LOAD



CIRCUIT FOR LED



Terminal type



T(Quick connect tab:Thickness of 0.8mm)
 H(Quick connect tab:Thickness of 0.5mm)

Ordering Procedure List

Rating List(一)

R15A(RA)Series Rocker Switch	R19(R9)Series Rocker Switch	R4 Series Rocker Switch	R5 Series Rocker Switch	R6 Series Rocker Switch	R8 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 6A 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 6A 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)						
1	Indicator		Indicator				

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Colour List(二)

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

Marking List(三)



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

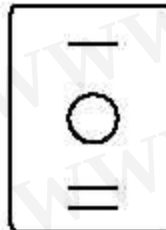
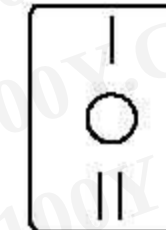
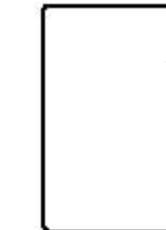
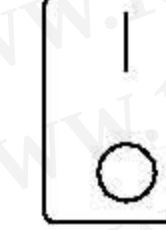
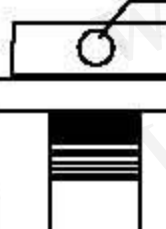
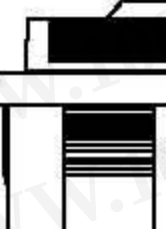
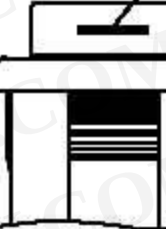
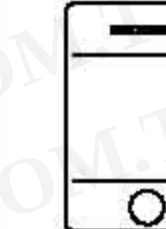
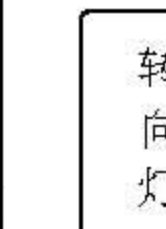
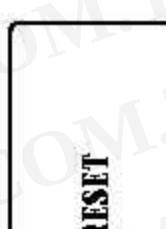
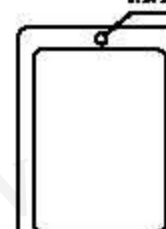
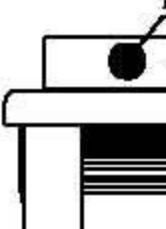
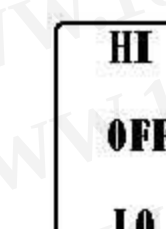
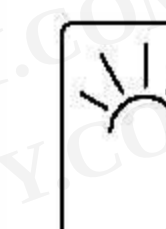
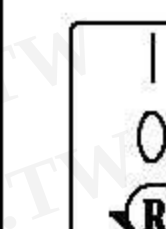
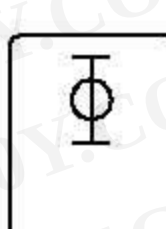
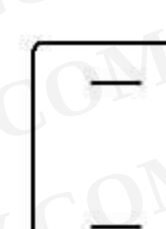
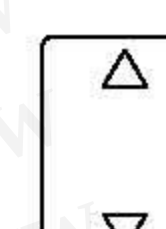
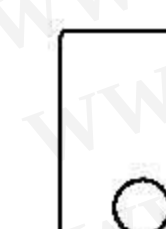
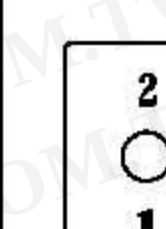
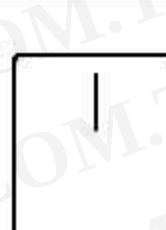
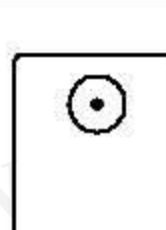
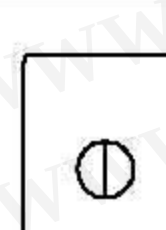
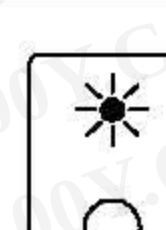
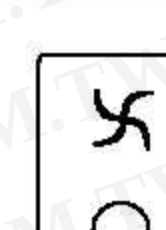
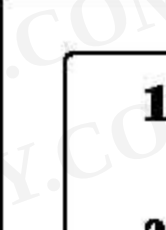
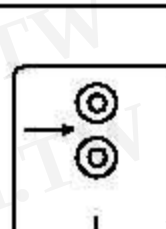
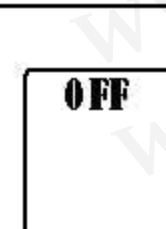
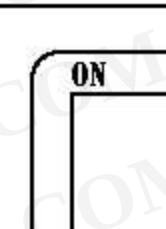
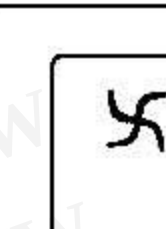
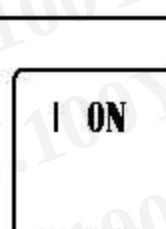
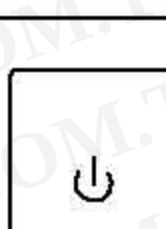
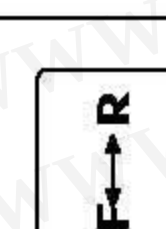
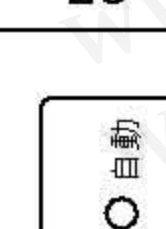
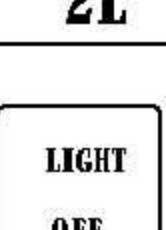
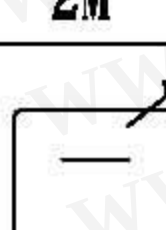
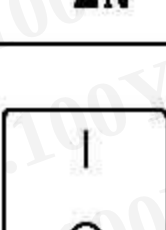
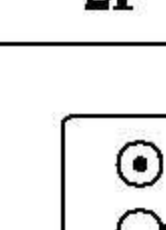
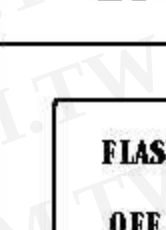
Colour of Lamp List(六)

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

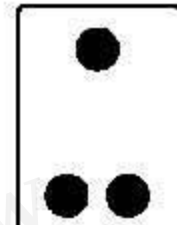
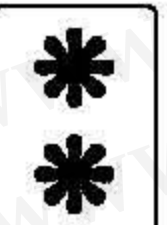
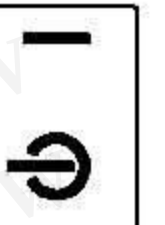
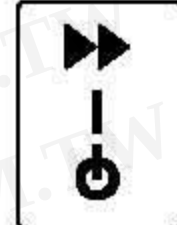
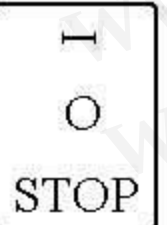
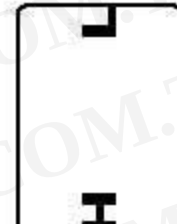
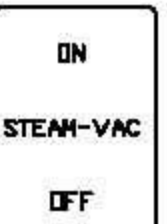
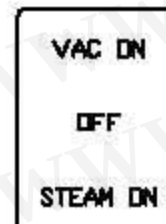
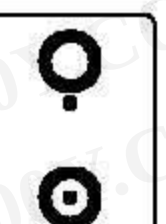
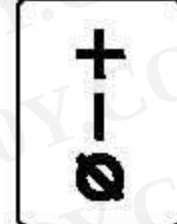
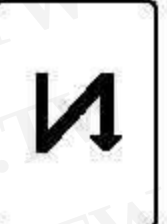
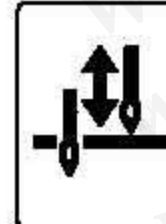
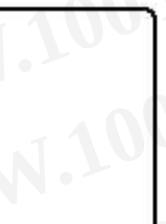
Lamp Name List(五)

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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