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Series R19A (RA) Subminiature Rocker & Paddle Switch

R19A (RA) Series switch can easily snap into the 13x19mm mounting panel cut-out, with the terminals of fasten (quick connect, 4.8x0.8 or 4.8x0.5  type, solder type, PCB straight type and PCB angled type. Users may choose the SPST or SPDT functions according to their special needs in switches based. The actuator types could be Rocker or Paddle. To fit with your color of the design, we may make the color of switch housing and actuator to be black, white, red or green, blue and any colors as per requested.

Switches with red, green, yellow LED lights available.

Technical data:

Electrical rating: 2A 250V AC、 6A 250V AC (standard) 15A 125V AC & 8A 250V AC

Mechanical life: Over 30000 cycles

Electrical life: Over 10000 cycles

Contact resistance: <20m ohm

Insulation resistance: >1000M ohm (500V DC between the open contacts)

High voltage resistance: >1500V AC 1 min.

Ambient temperature: Terminal side -20 to 85℃ Actuating side -20 to +55℃.

Atmospheric humidity: Max. 85%

Actuating force: 3 to 6N (depends different on switch function)

Flammability: UL94 V-2&UL94 V-0

Material of housing: PA 66

Material of rocker: PA 66&PC

Material of paddle: PA 66

Storage temperature: -30 to +80℃ Max

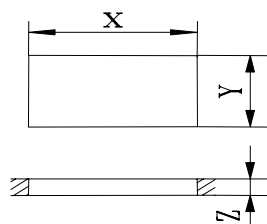
Contacts: Silver alloy

Terminal: Copper Silver Plated

Temperature rise at the terminal: 30 ℃ (UL1054)

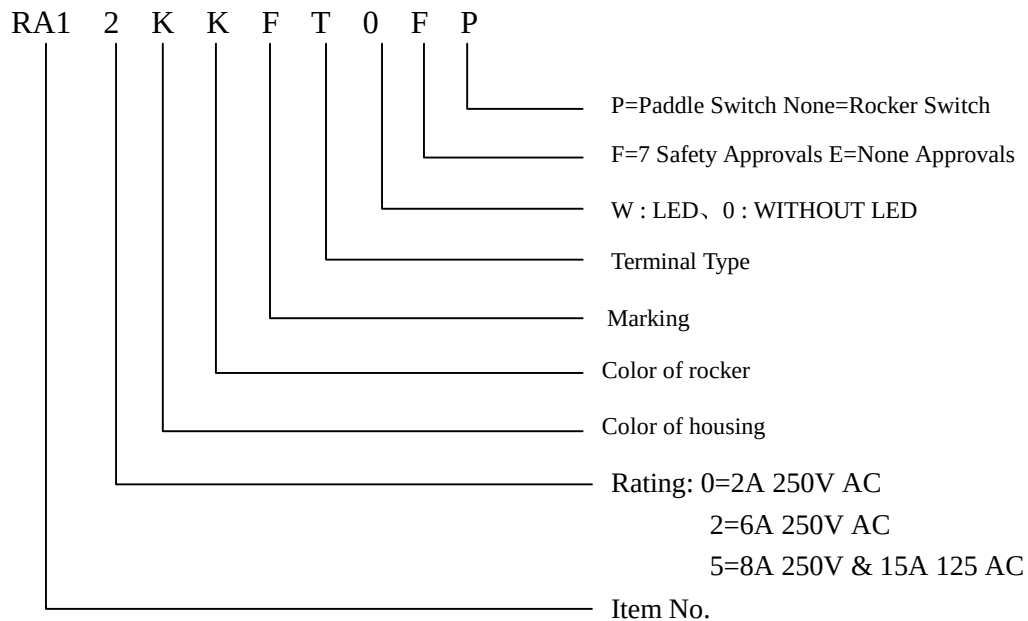
Solder ability of terminal: Max 350℃ 3s (no pressure may be placed on the terminals when soldering by hand!)

Panel cut out



Z	Y	X
0.7~1.25	12.80~12.90	19.20~19.30
1.25~2.0	12.80~12.90	19.30~19.40
2.0~3.0	12.80~12.90	19.50~19.60

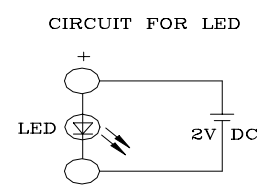
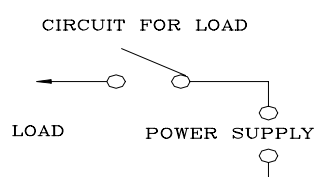
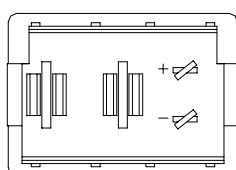
Ordering procedure:



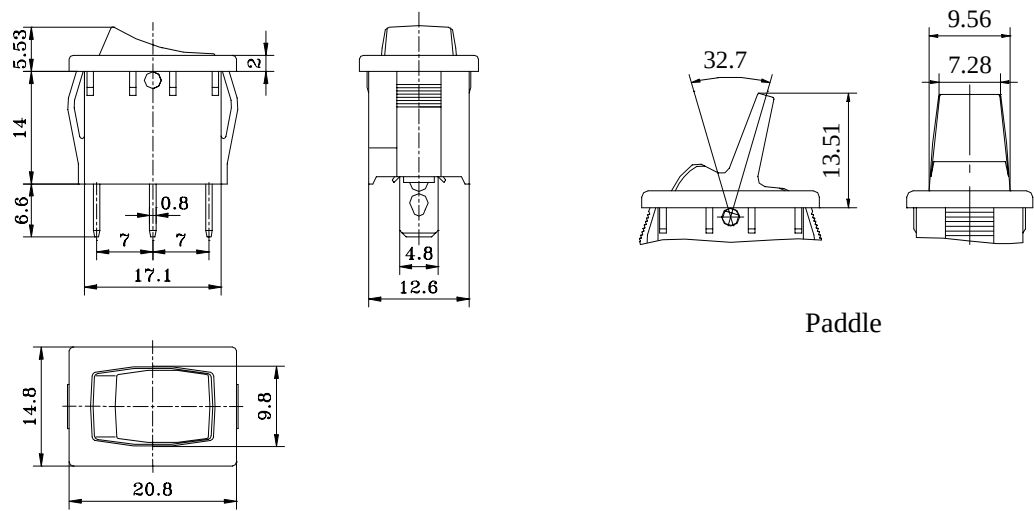
Item No	POLES & THROWS	Rocker position (): Momentary			Rating			Option of terminal				
		Left	Center	Right								
					2A	6A	8A	S	T	P	R	W
RA1	SPST	ON	None	OFF	✓	✓	✓	✓	✓	✓	✓	✓
RA2	SPDT	ON	None	ON	✓	✓	✓	✓	✓	✓	✓	✓
RA3	SPDT	ON	OFF	ON	✓	✓		✓	✓	✓	✓	✓
RA4	SPDT	ON	None	(ON)	✓	✓		✓	✓	✓	✓	✓
RA5	SPST	OFF	None	(ON)	✓	✓		✓	✓	✓	✓	✓
RA6	SPDT	(ON)	OFF	(ON)	✓	✓		✓	✓	✓	✓	✓
RA7	SPST	ON	None	(OFF)	✓	✓		✓	✓	✓	✓	✓
RA8	SPDT	ON	OFF	(ON)	✓	✓		✓	✓	✓	✓	✓
RA9	SPST (WITH LED)	ON	None	OFF				✓	✓			

Color		K (black)	W (white)	G (gray)	O (orange)	R (red)	Y (yellow)	M (green)	B (blue)
(c)	Color of housing	✓ ★	✓	✓					
(d)	Color of rocker	✓ ★	✓	✓	✓	✓			✓
(g)	Color of led					✓ ★	✓	✓	

Circuits for switch with led

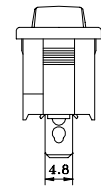
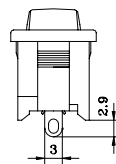
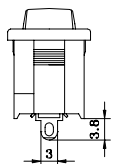
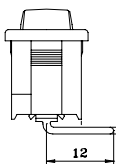
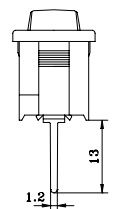


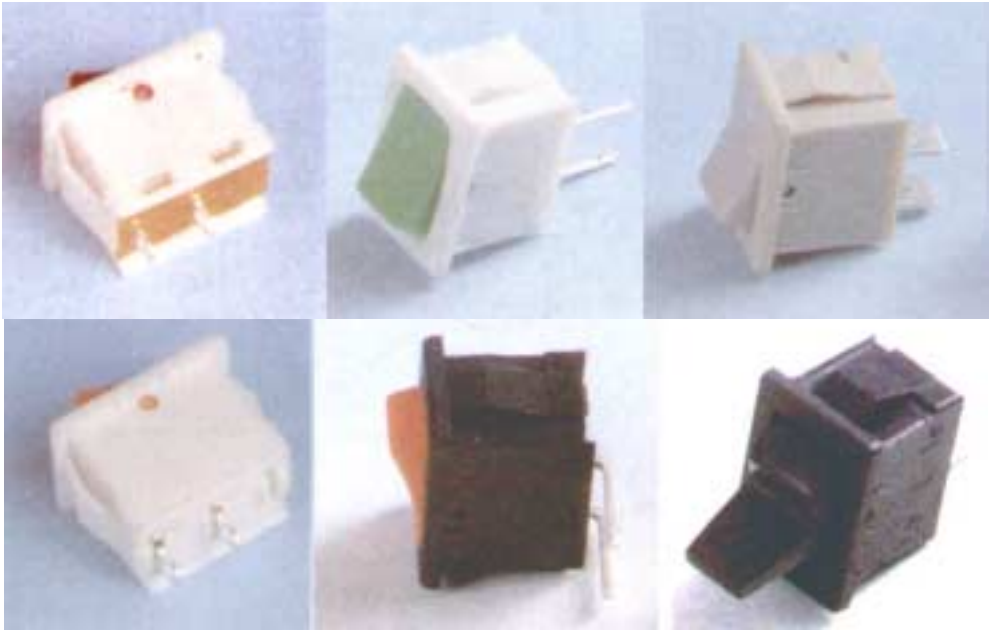
Dimension

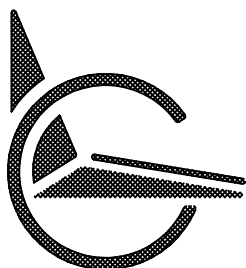


Paddle

Terminal type

				
“T”=4.8x0.8mm “H”=4.8x0.5mm	“S”	“W”	“R”	“P”





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ROCKER SWITCH MARKING OPTIONS

 0A	 0B	 0C	 0D	 0E	 0F	 0G	 0H	 0I
 0J	 0K	 0L	 0M	 0N	 0O	 0P	 0Q	
 0S	 0T	 0U	 0V	 0W	 0X	 0Y	 0Z	 1A
 1B	 1C	 1D	 1E	 1F	 1G	 1H	 1I	 1J
 1K	 1L	 1M	 1N	 1O	 1P	 1Q	 1R	 1S
 1T	 1U	 1V	 1W		 1Y			