

X2-RA(X2-R19A) Series

Rocker Switches



SPECIFICATION

Electrical Rating : 6A 250V AC(standard)(UL,VDE)
15A 125V AC & 10A 250V AC(UL)

Mechanical life: Over 30000 cycles

Electrical life: Over 10000 cycles

Contact resistance: <20mΩ

Insulation resistance: >1000MΩ

High voltage resistance: >1500VAC 1 min.

Ambient temperature: Terminal side -20 to +85℃

Actuating side- 20 to +55℃

Atmospheric humidity: Max.85%

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

Flammability: UL94V-2 & UL94V-0

Storage temperature: -30 to +80℃ Max

Temperature rise at the terminal: Max 30℃ (UL1054)

Solder ability of terminal: Max 350℃ 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



HOW TO ORDER

X2-RA 1 2 K K F T O F P

Series

Switch
Function

Rating

Housing
Color

Actuator
Color

Marking

Terminal

Lamp
Color

Safe
Approval

Actuator
Type

Series

1	ON-OFF
2	ON-ON
3	ON-OFF-ON
4	ON-(ON)
5	OFF-(ON)
6	(ON)-OFF-(ON)
7	ON-(OFF)
8	ON-OFF-(ON)
9	ON-OFF(WITH LED)

G	Gray
W	White
K	Black

G	Gray
W	White
K	Black
R	Red

See option of
marking
(See Page 233)

See terminal type

R	Red LED
Y	Yellow LED
M	Green LED
O	Without LED

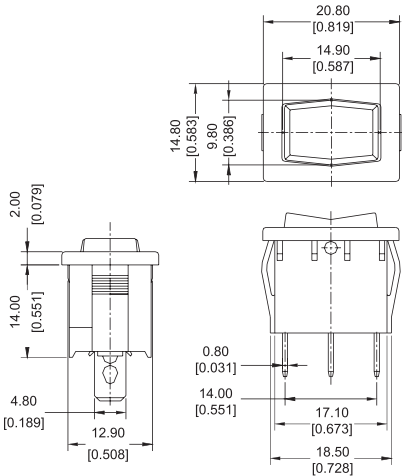
F	4 Safety Approvals
B	UL CUL

P	Paddle Switch
	Rocker Switch
C	Switch Round

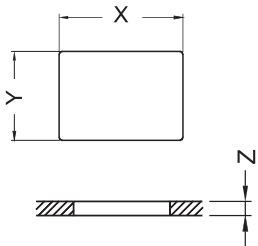
2	6A 250V AC
5	10A 250V AC 15A 125V AC

OPTIONS OF SWITCH FUNCTION / DIMENSION

Item No	POLES &THROWS	Rocker position ():Momentary		
		Left	Center	Right
X2-RA1	SPST	ON	None	OFF
X2-RA2	SPDT	ON	None	ON
X2-RA3	SPDT	ON	OFF	ON
X2-RA4	SPDT	ON	None	(ON)
X2-RA5	SPST	OFF	None	(ON)
X2-RA6	SPDT	(ON)	OFF	(ON)
X2-RA7	SPST	ON	None	(OFF)
X2-RA8	SPDT	ON	OFF	(ON)
X2-RA9	SPST (With LED)	ON	None	OFF

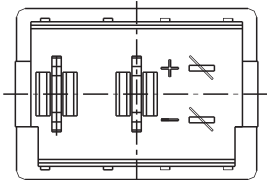


PANEL CUT OUT

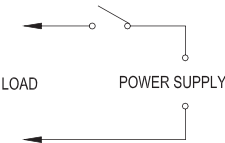


Z	Y	X
0.7~1.25	12.8~12.9	19.2~19.3
1.25~2.0	12.8~12.9	19.3~19.4
2.0~3.0	12.8~12.9	19.5~19.6

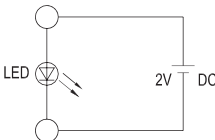
CIRCUITS FOR SWITCH WITH LAMP



CIRCUIT FOR LOAD

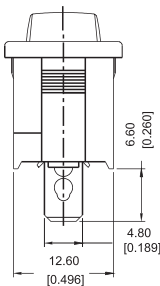


CIRCUIT FOR LED

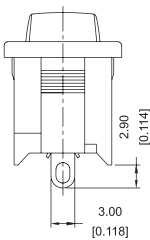


TERMINAL TYPE

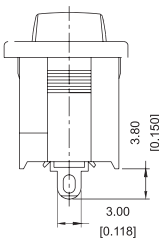
T&H



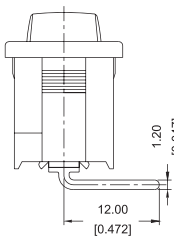
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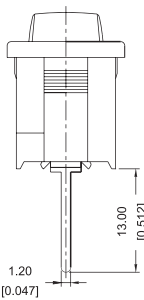
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R



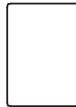
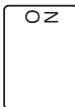
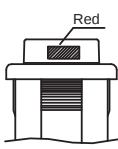
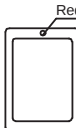
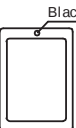
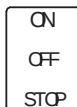
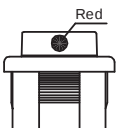
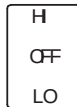
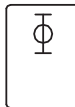
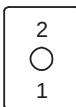
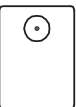
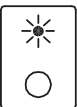
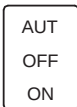
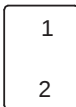
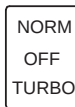
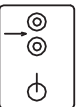
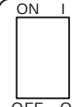
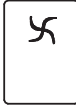
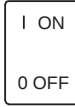
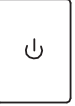
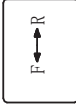
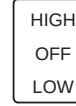
P



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

CAP MARKING

FOR ROCKER SWITCHES

 A	 B	 C	 D	 E	 F	 G	 H	 I
 J	 K	 L	 M	 N	 O	 P	 Q	 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	 1Y	 1Z	 2A	 2B	 2C	 2D
 2E	 2F	 2G	 2H	 2I	 2J	 2K		