X2-RA(X2-R19A) Series
Rocker Switches

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: <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　0　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)

2	6A 250V AC
5	8A 250V AC 15A 125V AC

Housing Color

G	Gray
W	White
K	Black

Actuator Color

G	Gray
W	White
K	Black
R	Red

Marking

See option of marking
(See Page 231)

See terminal type

Lamp Color

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

Safe Approval

F	4 Safety Approvals
B	UL CUL

Actuator Type

P	Paddle Switch
	Rocker Switch
C	Switch Round

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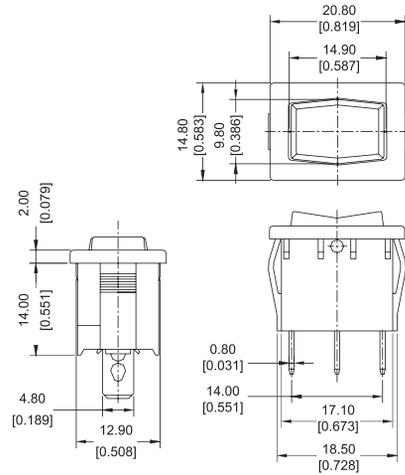
PANEL CUT OUT
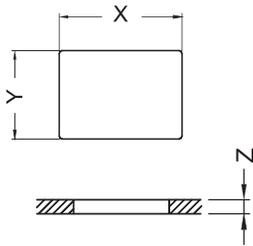
Z	Y	X
0.7~1.25	12.8~12.9	19.2~19.3
1.25~2.0	12.8~12.9	19.3~19.4
2.0~3.0	12.8~12.9	19.5~19.6

CIRCUITS FOR SWITCH WITH LAMP

CIRCUIT FOR LOAD

LOAD   POWER SUPPLY

CIRCUIT FOR LED

LED   2V   DC
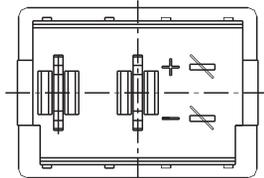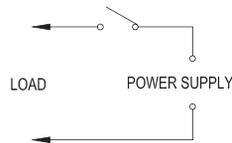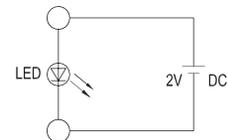
TERMINAL TYPE
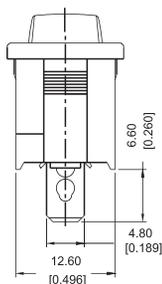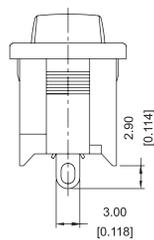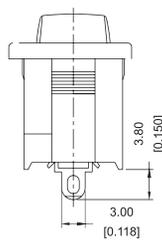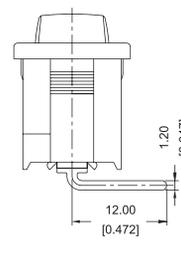
T&H   S   W   R   P
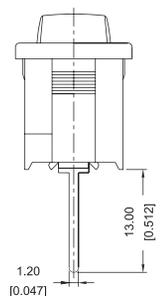
T(Quick connect tab:Thickness of 0.8mm)
H(Quick connect tab:Thickness of 0.5mm)