

MICRO SWITCHES



VA2 SERIES

SPECIFICATIONS

Contact Resistance(initial)

Max. 100 mΩ

Measured by ohm meter - open voltage < 1VDC, driver current -100 mA

Insulation Resistance (at 500 VDC / minute)

Min. 100 MΩ

Dielectric Strength

1500 VAC(50~ 60 Hz)

Operating Temperature Range

-40°C to 125°C (with no icing)

Vibration

10~55 Hz, displacement 0.75 mm(p-p)

Electrical Service Life

0.1A - Min. 1,000,000 operations

6A~20A - Min. 10,000 operations

Electrical Operating Frequency

10~30 operations per minute

Mechanical Service Life

Min. 1,000,000 operations

Mechanical Operating Frequency

120 operations per minute

APPLICATIONS

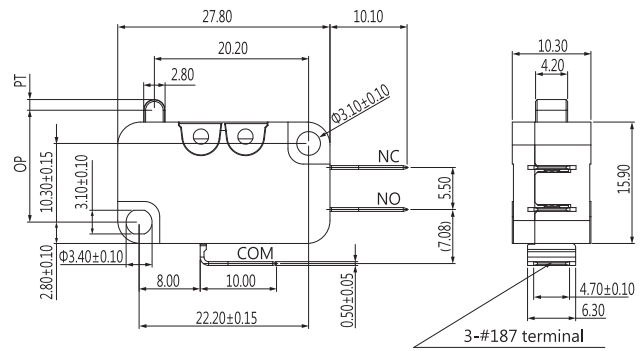
Joystick, TV game, Time Recorder, Air Conditioner, Food Processor, Juice Maker, Alarm, Mixer, Shredder Machine

CERTIFICATE INFORMATION

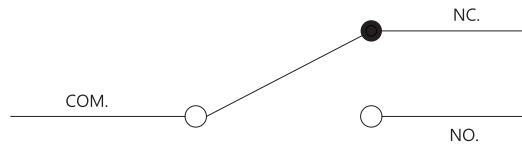
Model Name	UL, cUL	ENEC15
VA2-P1	0.1A 125/250VAC (Temp:125°C) Min. 10,000 operations	0.1A 125/250VAC, μT125 1E4
VA2-06	6A 125/250VAC (Temp:125°C) Min. 10,000 operations	6A 125/250VAC, μT125 1E4
VA2-10	10A 125/250VAC (Temp:125°C) Min. 10,000 operations	10(4)A 125/250VAC, μT125, 1E4
VA2-16	16A 125/250VAC (Temp:125°C) Min. 10,000 operations	16(4)A 125/250VAC, μT125, 1E4
VA2-20	20A 125/250VAC (Temp:125°C) Min. 10,000 operations	20A 125/250VAC, μT125, 1E4

DIMENSIONS

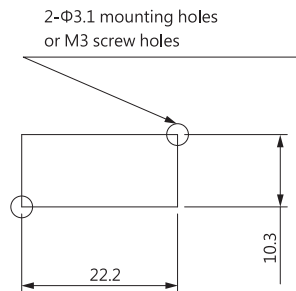
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



CONTACT CONFIGURATION



MOUNTING HOLES



THE SELECTION OF RATING & FORCE

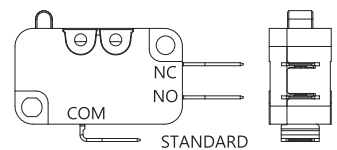
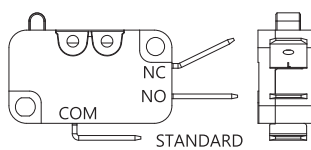
MODEL	Rating	L	S	H	Q
VA2	0.1 A	*	*	*	*
	6 A	*	*	*	*
	10 A	*	*	*	*
	16 A	*	*	*	*
	20 A	*	*	*	*

NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

C TYPE
250 terminal

D TYPE
187 terminal



ORDERING INFORMATION

V	A	2	—	1	6	S	0	—	0	0	D	0	—	Z
SERIES PREFIX	C O D E	RATING CURRENT	C O D E	OPERATING FORCE	C O D E	EXTERIOR TYPE	C O D E	ACTUATOR TYPE	C O D E	TERMINAL TYPE	C O D E	CIRCUIT ARRANGEMENT	ROHS CODE	
	P1	0.1A 125/250VAC	Q	HEAVIER	0	STANDARD TERMINAL NO ACTUATOR	00		C	#250 terminal	0	T125 S.P.D.T		
	06	6A 125/250VAC	H	HEAVY	1	STANDARD TERMINAL ACTUATOR AWAY BUTTON	01		C	STANDARD	1	T125 S.P.S.T NO		
	10	10A;10(4)A 125/250VAC	S	STANDARD	2	STANDARD TERMINAL ACTUATOR NEAR BUTTON	02		C	SIDE OUT	2	T125 S.P.S.T NC		
	16	16A;16(4)A 125/250VAC	L	LIGHT	3	SIDE OUT TERMINAL NO ACTUATOR	03		D	#187 terminal				
	20	20A 125/250VAC			4	SIDE OUT TERMINAL ACTUATOR AWAY BUTTON	04		D	STANDARD				
					5	SIDE OUT TERMINAL ACTUATOR NEAR BUTTON	05		D	SIDE OUT				
							06							

ORDERING INFORMATION

SWITCH TYPE	PART SUFFIX	OF Max. (gf)	OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
VA2- □□□ 0-00D0-Z		Q	330	14.7±0.5	1.72	0.8
		H	230			
		S	170			
		L	110			
VA2- □□□ 1-01D0-Z		Q	330	15.3±0.5	2.8	0.6
		H	230			
		S	170			
		L	110			
VA2- □□□ 1-02D0-Z		Q	180	15.3±1.5	5.9	1.6
		H	125			
		S	86			
		L	50			
VA2- □□□ 1-03D0-Z		Q	120	15.3±2.5	9.3	-
		H	70			
		S	49			
		L	30			
VA2- □□□ 1-04D0-Z		Q	205	18.7±1.5	5.5	1.4
		H	140			
		S	110			
		L	65			
VA2- □□□ 1-05D0-Z		Q	330	20.7±0.8	2.7	0.6
		H	230			
		S	170			
		L	110			
VA2- □□□ 1-06D0-Z		Q	180	20.7±1.5	4.2	1.6
		H	125			
		S	100			
		L	65			