

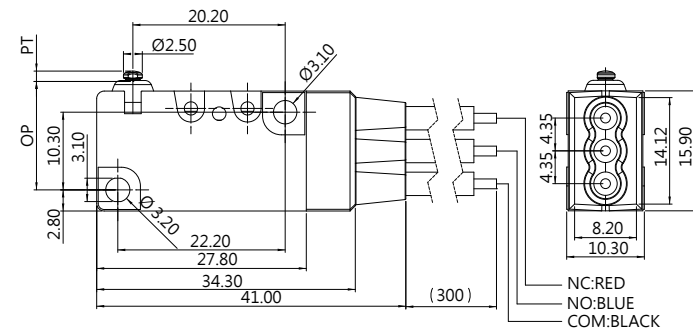
# WATER PROOF SWITCHES

NEW



## DIMENSIONS

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



## VW1 (IP67) SERIES

### SPECIFICATIONS

#### Contact Resistance (initial)

Max. 300mΩ  
Measured by ohm meter - open voltage < 1VDC, driver current -100 mA

#### Insulation Resistance (at 500VDC/minute)

Min. 100MΩ

#### Dielectric Strength

1500VAC ( 50~ 60Hz)

#### Storage Temperature Range

- 25°C to 85°C (with no icing)

#### Storage Humidity

At 40°C, Max. 85% R.H

#### Operating Temperature Range

-40°C to 85°C (with no icing)

#### Vibration

10~55Hz, displacement 1.5mm(p-p)

#### Electrical Service Life

0.1A - Min. 100,000 operations  
3A - Min. 25,000 operations  
6A ~ 10A - Min. 10,000 operations

#### Electrical Operating Frequency

10~30 operations per minute

#### Mechanical Service Life

Min. 10,000,000 operations

#### Mechanical Operating Frequency

120 operations per minute

### APPLICATIONS

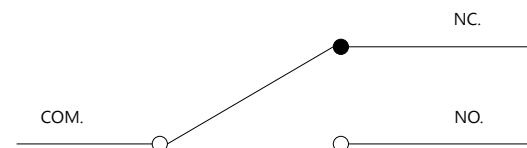
Alarm devices, Home security, Time recorder, Air conditioner, Food processor, Juice maker, Lawnmowers, Mixer, Central water heater, Industrial apparatus, Special forklifts, Special vehicles

### THE SELECTION OF RATING & FORCE

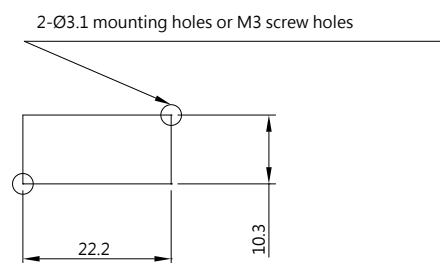
MODEL	Rating	J	L	S	H
VW1	0.1A	*	*	*	*
	3A	*	*	*	*
	6 A	*	*	*	*
	10 A			*	*

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

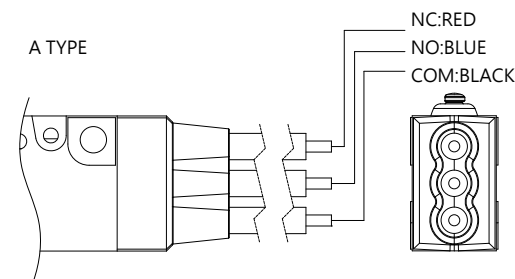
### CONTACT CONFIGURATION



### MOUNTING HOLES



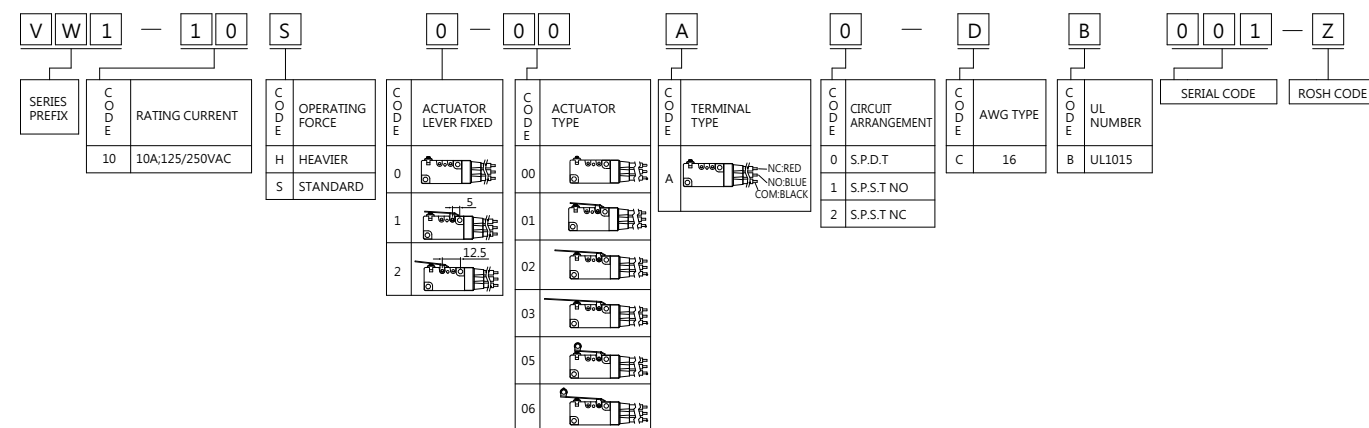
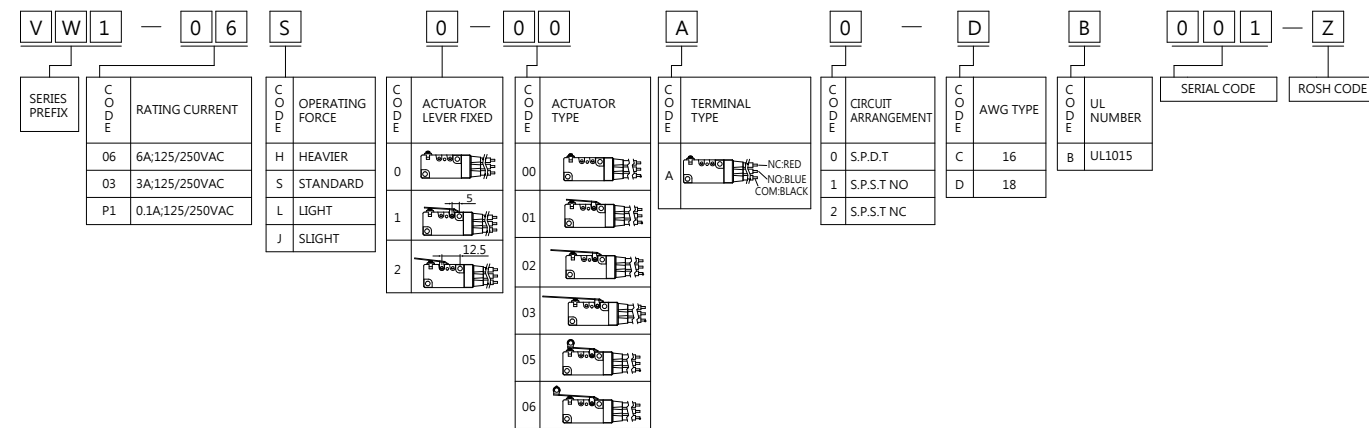
### TERMINAL TYPES



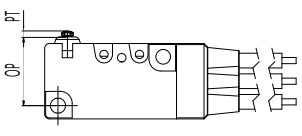
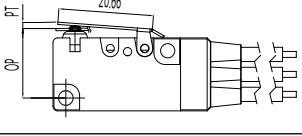
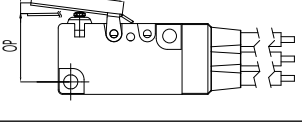
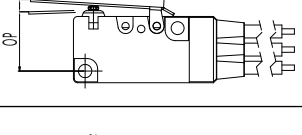
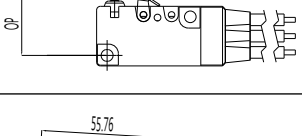
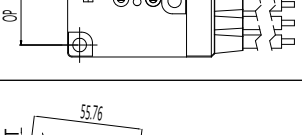
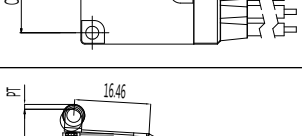
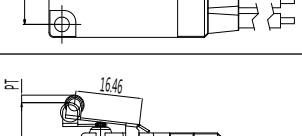
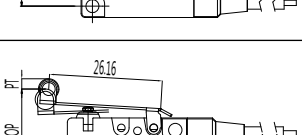
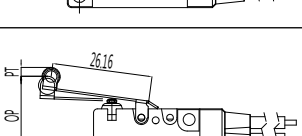

### CERTIFICATE INFORMATION

Model Name	UL	ENEC15
VW1-P1	0.1A 125/250VAC, 0.1A 30VDC,100,000 operations	0.1A 125/250VAC, 0.1A 30VDC,μ 1E4.
VW1-03	3A 125/250VAC, 3A 30VDC,25,000 operations	3A 125/250VAC, 3A 30VDC, μ 1E4.
VW1-06	6A 125/250VAC , 5A 30VDC, 10,000 operations	6A 125/250VAC, 5A 30VDC, μ 1E4.
VW1-10	10A 125/250VAC, 5A 30VDC, 10,000 operations	10A 125/250VAC, 5A 30VDC,μ 1E4.

### ORDERING INFORMATION



OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)				OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		J	L	S	H				
VW1- □□□ 0-00A0- □ B00 □ -Z		100	150	200	300	14.7±0.4	1.2	1.0	0.4
VW1- □□□ 1-01A0- □ B00 □ -Z		85	125	160	240	15.1±0.6	2.6	1.1	0.6
VW1- □□□ 2-01A0- □ B00 □ -Z		40	70	90	130	15.0±1.1	5.1	1.2	1.1
VW1- □□□ 1-02A0- □ B00 □ -Z		60	85	110	160	14.8±0.8	4	1.5	0.9
VW1- □□□ 2-02A0- □ B00 □ -Z		35	50	60	90	14.7±1.5	7.9	1.7	1.7
VW1- □□□ 1-03A0- □ B00 □ -Z		40	55	70	100	13.4±2.0	7	2.5	1.5
VW1- □□□ 2-03A0- □ B00 □ -Z		25	35	40	60	13.9±2.5	13.8	3.3	2.9
VW1- □□□ 1-05A0- □ B00 □ -Z		100	150	200	300	20.6±0.5	2.1	1	0.5
VW1- □□□ 2-05A0- □ B00 □ -Z		60	85	110	160	20.4±0.8	4.1	1.1	0.9
VW1- □□□ 1-06A0- □ B00 □ -Z		70	100	130	195	20.4±0.7	3.3	1.3	0.7
VW1- □□□ 2-06A0- □ B00 □ -Z		40	60	70	105	20.2±1.2	6.5	1.5	1.4

\* There is another series of VA1 with MD reduced to 63%.