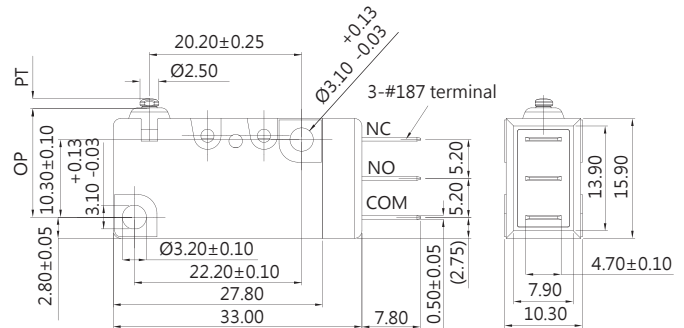


WATER PROOF SWITCHES



DIMENSIONS

Unless otherwise specified, a tolerance of $\pm 0.4\text{mm}$ applies to all dimensions.



VW1 SERIES

SPECIFICATIONS

Contact Resistance (initial)

Max. 300m Ω

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

Insulation Resistance (at 500VDC/minute)

Min. 100M Ω

Dielectric Strength

Min. 500VAC(50-60HZ)/minute between Live parts.

Min. 1500VAC(50-60HZ)/minute between Live parts and dead metal parts

Operating Temperature Range

-40°C to 85°C (with no icing)

Vibration

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

Electrical Service Life

Min. 10,000 operations

Electrical Operating Frequency

10~30 operations per minute

Mechanical Service Life

Min. 1,000,000 operations

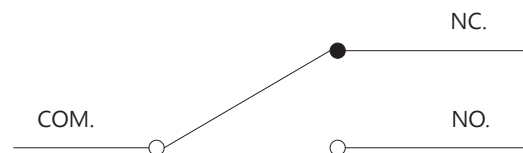
Mechanical Operating Frequency

120 operations per minute

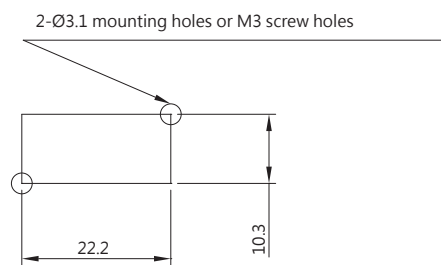
Operating application of the switch

Set the switch pushing distance from 60% to 90% of the specified OT value

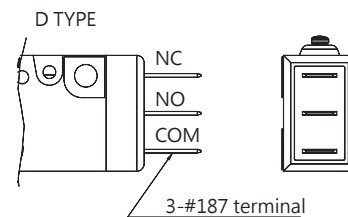
CONTACT CONFIGURATION



MOUNTING HOLES



TERMINAL TYPES



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

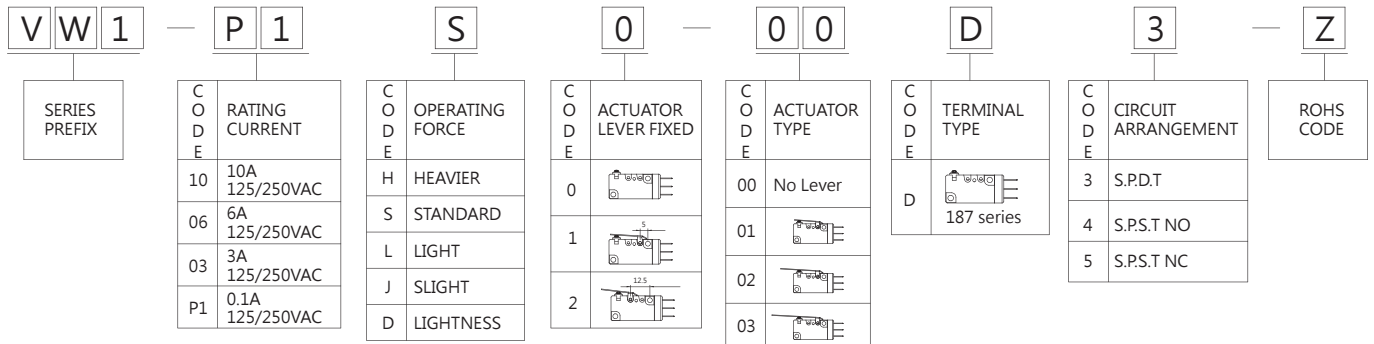
MODEL	Rating	D	J	L	S	H
VW1	0.1A	*	*	*	*	*
	3A	*	*	*	*	*
	6 A	*	*	*	*	*
	10 A				*	*

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

CERTIFICATE INFORMATION

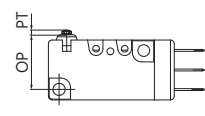
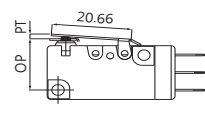
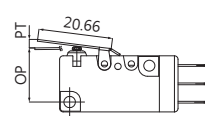
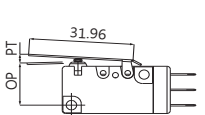
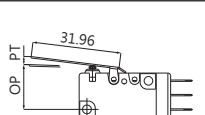
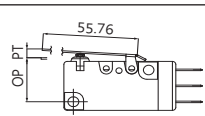
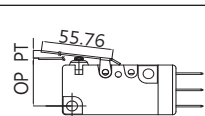
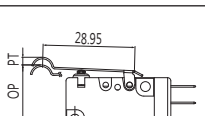
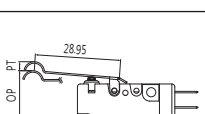
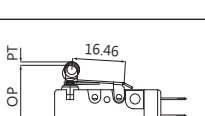
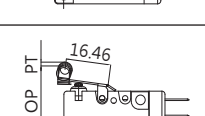
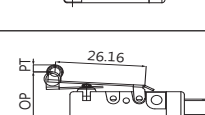
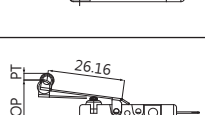
Model Name	UL	ENEC
VW1-P1	0.1RA 30VDC μ T85 1E4	0.1A 30VDC μ T85 1E4
	0.1RA 125/250VAC μ T85 1E4	0.1A 125/250VAC μ T85 1E4
VW1-03	3RA 30VDC μ T85 1E4	3A 30VDC μ T85 1E4
	3RA 125/250VAC μ T85 1E4	3A 125/250VAC μ T85 1E4
VW1-06	5RA 30VDC μ T85 1E4	5A 30VDC μ T85 1E4
	6RA 125/250VAC μ T85 1E4	6A 125/250VAC μ T85 1E4
VW1-10	5RA 30VDC μ T85 1E4	5A 30VDC μ T85 1E4
	10RA 125/250VAC μ T85 1E4	10A 125/250VAC μ T85 1E4

ORDERING INFORMATION



#NOTE		
ITEM	RATING CURRENT	OPERATING FORCE
1	Code : P1	H, S, L, J, D
2	Code : 03	H, S, L, J, D
3	Code : 06	H, S, L, J, D
4	Code : 10	H, S

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)					OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		D	J	L	S	H				
VW1- □□□ 0-00 □□ -Z		50	100	150	200	300	14.7 ± 0.4	1.2	1.0	0.4
VW1- □□□ 1-01 □□ -Z		45	85	125	160	255	15.1 ± 0.6	2.6	1.1	0.6
VW1- □□□ 2-01 □□ -Z		25	55	75	90	145	15.0 ± 1.1	5.1	1.2	1.1
VW1- □□□ 1-02 □□ -Z		30	60	85	110	160	14.8 ± 0.8	4.0	1.5	0.9
VW1- □□□ 2-02 □□ -Z		20	40	60	75	110	14.5 ± 1.6	8	2.4	1.8
VW1- □□□ 1-03 □□ -Z		20	40	55	70	100	H force:			
							12.4 ± 2.0	7.0	-	2.5
							D, J, L, S force:			
VW1- □□□ 2-03 □□ -Z		15	28	40	50	70	H force:			
							11.9 ± 3.3	16.5	-	3.0
							D, J, L, S force:			
VW1- □□□ 1-04 □□ -Z		36	65	95	125	185	18.1 ± 0.8			
							3.6			
							1.7			
VW1- □□□ 2-04 □□ -Z		20	45	60	75	110	17.6 ± 1.5			
							7.2			
							2.1			
VW1- □□□ 1-05 □□ -Z		55	100	150	200	300	20.6 ± 0.5	2.1	1.0	0.5
VW1- □□□ 2-05 □□ -Z		30	65	98	150	175	20.4 ± 0.9	4.2	1.2	0.9
VW1- □□□ 1-06 □□ -Z		40	70	105	130	195	20.4 ± 0.7	3.3	1.3	0.7
VW1- □□□ 2-06 □□ -Z		25	43	60	70	105	20.2 ± 1.2	6.5	1.5	1.4

* There is another series of VW1 with MD reduced to 63%.