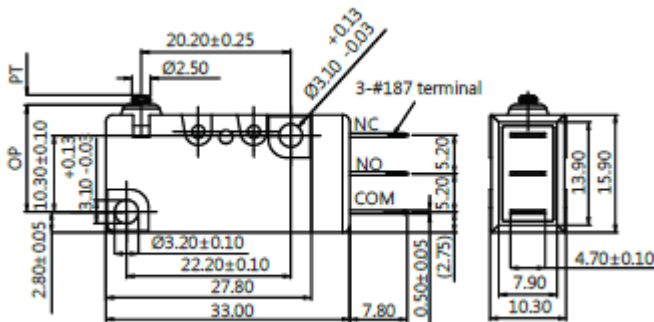


Operating Instructions

English translation

Dimensions

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



Contact Configuration



Application

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

Specifications

Contact Resistance (initial)

Max. 300 m Ω

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

Insulation Resistance (at 500VDC/minute)

Min. 100 M Ω

Dielectric Strength

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

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

Operating Temperature Range

-40°C to 85°C (with no icing)

Vibration

10~55 Hz, 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

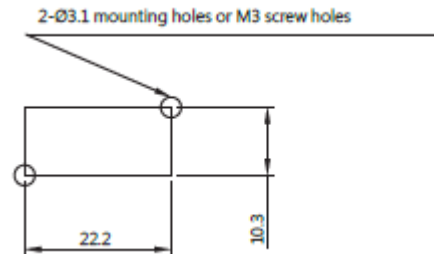
Mechanical Operating Frequency

120 operations per minute

Operating application of the switch

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

Mounting Holes

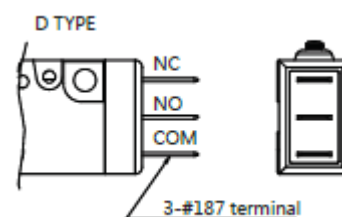


Selection of Rating and Force

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

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

Terminal Types



L02

Order Information

VW1	P1	S	0	00	D	3	Z
SERIES PREFIX	RATING CURRENT	OPERATING FORCE	ACTUATOR LEVER FXED	ACTUATOR TYPE	TERMINAL TYPE	CIRCUIT ARRANGEMENT	ROHS CODE
	10 125/250VAC	H HEAVIER	0 	00 No Lever	D 	3 S.P.D.T	
	06 6A 125/250VAC	S STANDARD	1 	01 		4 S.P.S.T NO	
	03 3A 125/250VAC	L LIGHT	2 	02 		5 S.P.S.T NC	
	P1 0.1A 125/250VAC	J SLIGHT		03 			
		D LIGHTNESS		04 			
				05 			
				06 			

#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 D, J, L, S force: 13.4 ± 2.0	7.0	-	2.5
VW1-□□□ 2-03 □□ -Z		15	28	40	50	70	H force: 11.9 ± 3.3 D, J, L, S force: 12.9 ± 3.3	16.5	-	3.0

L02

SWITCH TYPE	PART SUFFIX	OF Max. (gf)					OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)
		D	J	L	S	H				
VW1-□□□1-04□□-Z		36	65	95	125	185	18.1 ± 0.8	3.6	1.7	1.0
VW1-□□□2-04□□-Z		20	45	60	75	110	17.6 ± 1.5	7.2	2.1	1.7
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%.

Certificate Information

Model Name	UL	ENEC
VW1-P1	0.1RA 30VDC μT85 1E4 0.1RA 125/250VAC μT85 1E4	0.1A 30VDC μT85 1E4 0.1A 125/250VAC μT85 1E4
VW1-03	3RA 30VDC μT85 1E4 3RA 125/250VAC μT85 1E4	3A 30VDC μT85 1E4 3A 125/250VAC μT85 1E4
VW1-06	5RA 30VDC μT85 1E4 6RA 125/250VAC μT85 1E4	5A 30VDC μT85 1E4 6A 125/250VAC μT85 1E4
VW1-10	5RA 30VDC μT85 1E4 10RA 125/250VAC μT85 1E4	5A 30VDC μT85 1E4 10A 125/250VAC μT85 1E4