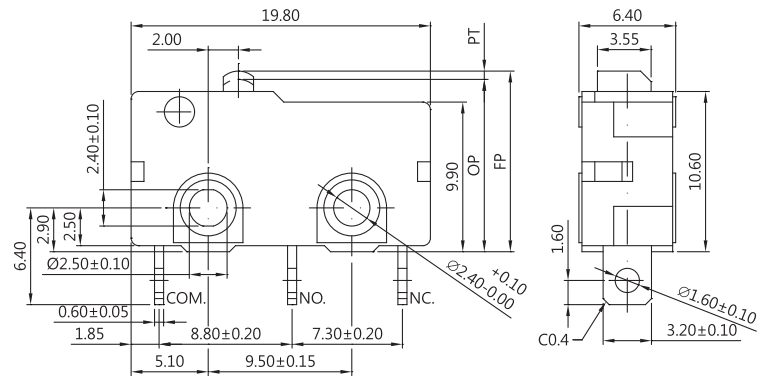


MICRO SWITCHES



DIMENSIONS

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



SM SERIES

SPECIFICATIONS

Contact Resistance(initial)

Max. 300 m Ω

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

Insulation Resistance (at 500 VDC / minute)

Min. 100 M Ω

Dielectric Strength

Min. 1000VAC(50-60HZ)/minute between Live parts.

Min. 1250VAC(50-60HZ)/minute between Live parts and dead metal parts

Operating Temperature Range

-40°C to 120°C (with no icing)

Vibration

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

Electrical Service Life

0.1A - Min. 1,000,000 operations

Other rating - Min. 10,000 operations

Electrical Operating Frequency

10~30 operations per minute

Mechanical Service Life

Min. 10,000,000 operations

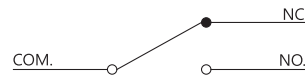
Mechanical Operating Frequency

120 operations per minute

Operating application of the switch

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

CONTACT CONFIGURATION



CERTIFICATE INFORMATION

Model Name	UL, cUL
SM-P1	0.1A 125/250VAC 0.1A 30VDC (Temp:120°C) Min. 10,000 operations
SM-G1	0.1A 125/250VAC 0.1A 30VDC (Temp:120°C) Min. 10,000 operations
SM-O5	5A 125/250VAC 5A 30VDC (Temp:120°C) Min. 10,000 operations
SM-G5	5A 125/250VAC 5A 30VDC (Temp:120°C) Min. 10,000 operations

APPLICATIONS

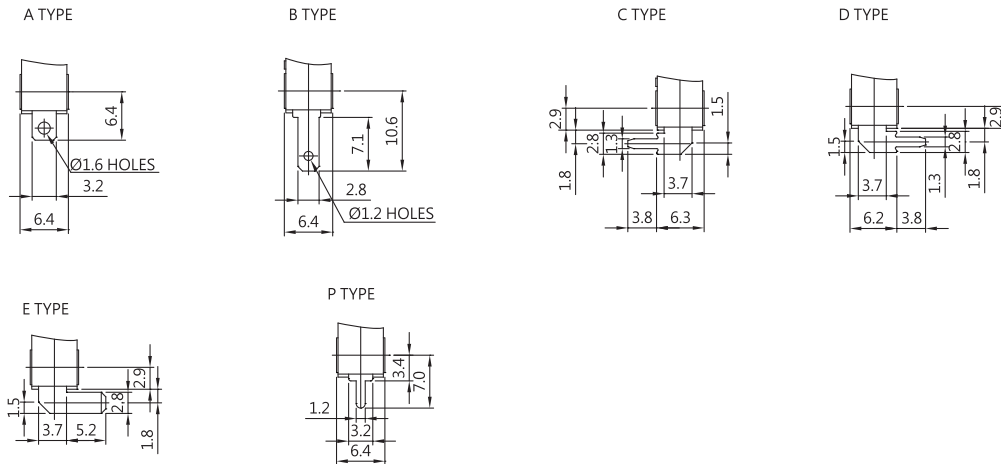
Telephone, Air conditioner, Computer, Humidifier, Alarm, Time recorder, Mixer & Chopper, Solder gun, Neon phone, Fax machine, Joystick, Water pump, Gas detector, Pencil sharpener, Money sorter, Food processor, Electric knife, Toy car, Juicer, Electric steak pan.

THE SELECTION OF RATING & FORCE

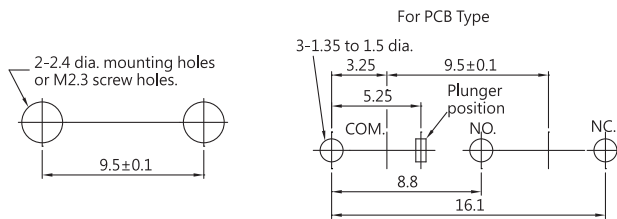
MODEL	Rating	D	L	S	H	Q	T
SM	0.1A	*	*	*	*	*	*
	5A			*	*	*	*

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

TERMINAL TYPES (The thickness of each terminal is 0.6mm)



MOUNTING HOLES



ORDERING INFORMATION

S	M	0	5	S	0	3	P	0	Z			
SERIES PREFIX	CODE	RATING CURRENT		CODE	OPERATING FORCE	CODE	ACTUATOR TYPE	CODE	TERMINAL TYPE	CODE	CIRCUIT ARRANGEMENT	ROHS CODE
	P1	0.1A 125/250VAC		T	MAX HEAVIER	00		A		0	S.P.D.T.	
	05	5A 125/250VAC		Q	HEAVIER	01		B		1	S.P.S.T. NO	
				H	HEAVY	02		C		2	S.P.S.T. NC	
				S	STANDARD	03		D				
				L	LIGHT	04		E				
				D	SLIGHT	:		P				

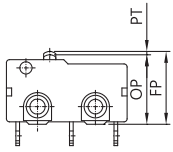
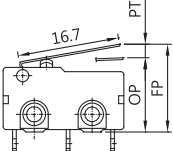
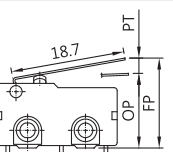
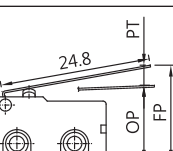
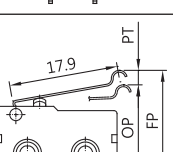
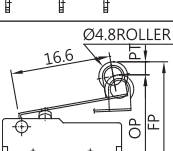
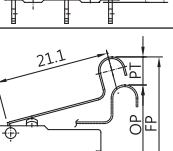
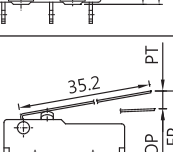
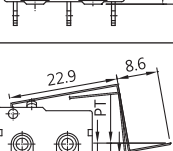
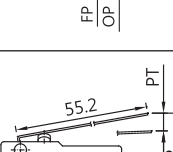
#NOTE		
ITEM	Rating Current	OPERATING FORCE
1	Code:P1	T,Q,H,S,L,D
2	Code:05	T,Q,H,S

CAUTIONS



Scan the QR code or download https://www.zippy.com/ecmodelcautions/micro_switch_cautions.pdf

OPERATING CHARACTERISTICS

SWITCH TYPE	PART SUFFIX	OF Max. (gf)		OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	RF Min. (gf)
		H	S						
SM- □□□ -00 □□ -Z		H	249	11.4±0.3	1.1	0.4	0.2	12.2	50
		S	146						35
		L	104						20
SM- □□□ -01 □□ -Z		H	66	11.8±0.8	3.6	0.6	0.8	14.6	9
		S	40						6
		L	30						3
SM- □□□ -02 □□ -Z		H	58	11.8±0.9	4.0	0.6	0.8	14.9	9
		S	36						6
		L	25						6
SM- □□□ -03 □□ -Z		H	45	11.8±1.5	6.1	0.8	1.5	16.4	6
		S	28						4
		L	20						5
SM- □□□ -04 □□ -Z		H	56	13.7±1.0	4.6	0.8	0.8	17.3	13
		S	34						8
		L	25						5
SM- □□□ -05 □□ -Z		H	60	17.5±0.8	3.8	0.8	0.8	20.5	15
		S	35						8
		L	25						6
SM- □□□ -06 □□ -Z		H	48	19.0±1.5	5.7	1.0	1.0	23.2	10
		S	28						6
		L	20						4
SM- □□□ -07 □□ -Z		H	30	11.8±2.0	8.6	1.5	1.8	18.4	7
		S	20						4
		L	15						2
SM- □□□ -08 □□ -Z		H	30	-2.3±3.0	6.0	1.0	1.9	5.4	3
		S	20						4
		L	15						2
SM- □□□ -09 □□ -Z		H	18	11.8±3.0	13.3	1.0	2.9	22.1	4
		S	12						2.5
		L	8						1.5