DF SERIES

SPECIFICATIONS

Contact Resistance (initial)
Max. 100mΩ
Measured by ohm meter - open voltage < 1VDC, driver current -100 mA

Insulation Resistance (at 500VDC/minute)
Min. 100MΩ

Dielectric Strength
1000VAC (50~ 60Hz)

Operating Temperature Range
-40℃ to 85℃ (with no icing)

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

Electrical Service Life
0.1A - Min. 1,000,000 operations
3A - Min. 10,000 operations

Electrical Operating Frequency
0.1A - 120 operations per minute
3A - 10~30 operations per minute

Mechanical Service Life
Min. 1,000,000 operations

Mechanical Operating Frequency
120 operations per minute

THE SELECTION OF RATING & FORCE

MODEL	Rating	L	S
DF	0.1A	*	*
	3A	*	*

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

RATING

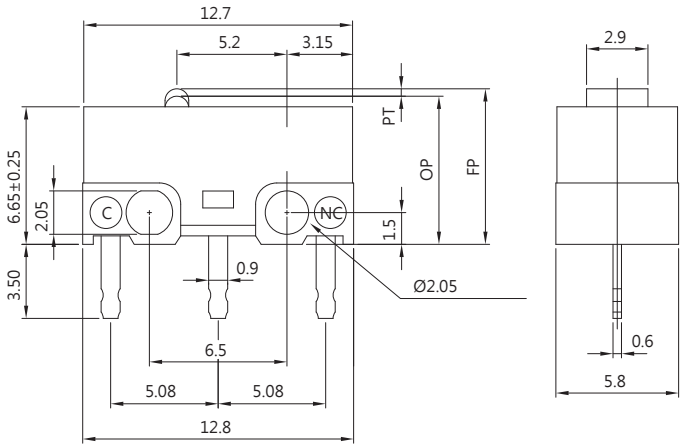
0.1A 125VAC , 0.1A 30VDC
3A 125VAC , 3A 24VDC

APPLICATIONS

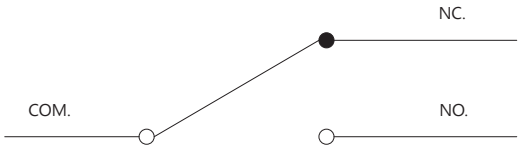
Mouses, Joysticks, Small home appliances, Central heating control

DIMENSIONS

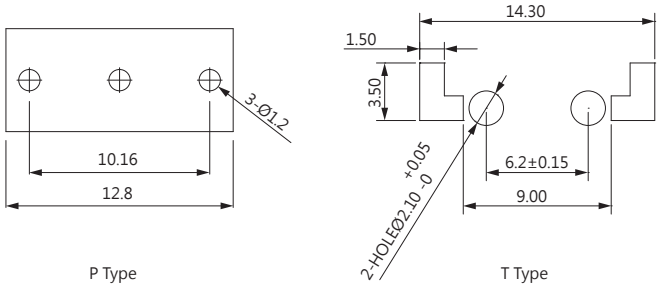
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



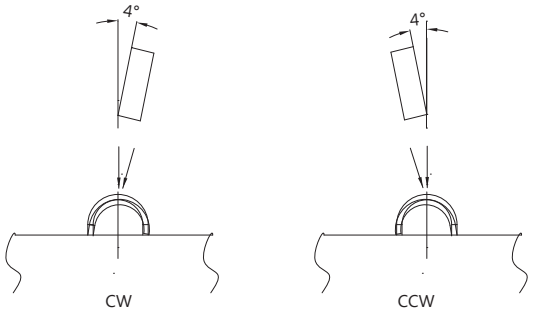
CONTACT CONFIGURATION



MOUNTING HOLES



PRESSING DIRECTION IS SUGGESTED TO BE VERTICAL AND WITH+/-4



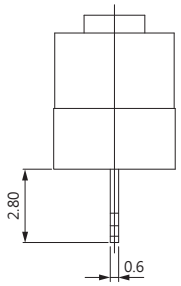
Available for the model that mouse has stoppers added more than Min.0.1mm

CERTIFICATE INFORMATION

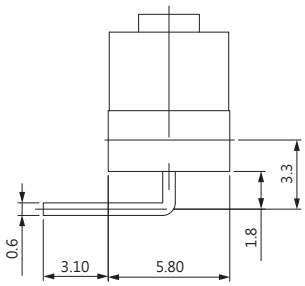
Model Name	UL, cUL	ENEC14
DF-P1	0.1A 125VAC / 60VDC (Temp:65℃), Min. 6,000 operations	0.1A 125VAC, u 1E4
DF-G1	0.1A 125VAC / 60VDC (Temp:65℃), Min. 6,000 operations	Non
DF-03	3A 125VAC (Temp:65℃) Min. 6,000 operations	3A 125VAC, u 1E4
DF-G3	3A 125VAC (Temp:65℃) Min. 6,000 operations	Non
DF-D3	3A 5VDC / 12VDC (Temp:65℃) Min. 10,000 operations	Non

TERMINAL TYPES

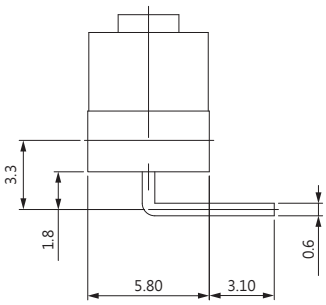
A TYPE



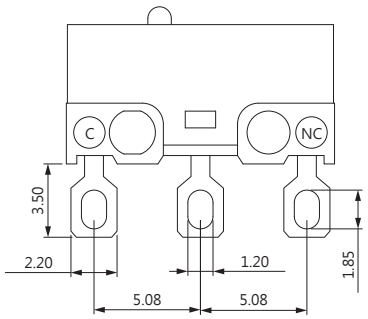
C TYPE



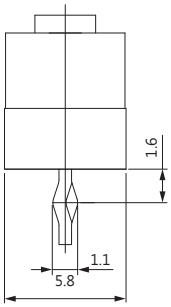
D TYPE



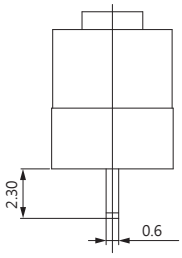
E TYPE



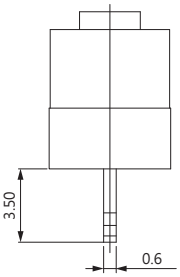
F TYPE



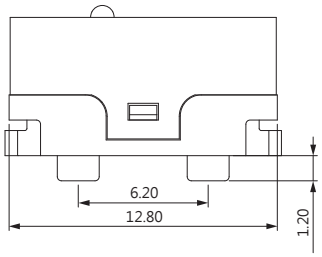
H TYPE



P TYPE



T TYPE

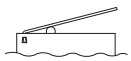
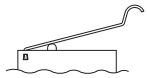
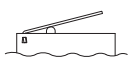
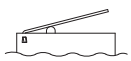
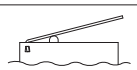
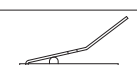
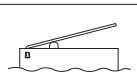
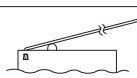


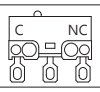
ORDERING INFORMATION

D F	-	P 1	L	-	0 0	P	-	Z
SERIES PREFIX								ROHS CODE

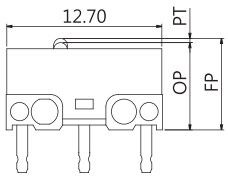
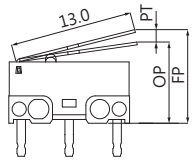
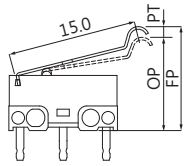
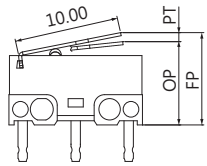
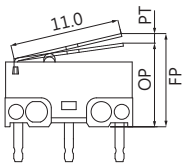
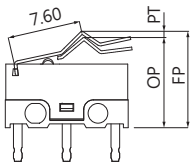
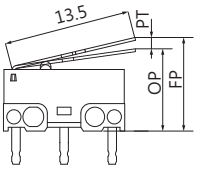
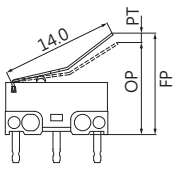
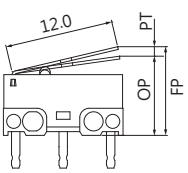
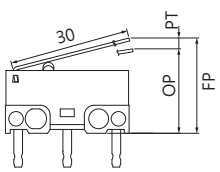
CODE	RATING CURRENT
P1	0.1A 30VDC
03	3A 125VAC
G1	0.1A 30VDC CONTACT PLATED GOLD
G3	3A 125VAC CONTACT PLATED GOLD
D3	3A 12VDC

CODE	OPERATING FORCE
L	LIGHT
S	STANDARD

CODE	ACTUATOR TYPE
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

CODE	TERMINAL TYPE
A	
C	
D	
H	
F	
P	
E	
T	

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)
DF- □□□ -0 □ -Z		L	80	7.0±0.2	0.62	0.2	0.12	7.35	21
		S	150						35
DF- □□□ -1 □ -Z		L	30	7.9±0.8	3.4	0.6	0.8	10.1	5
		S	56						8
DF- □□□ -2 □ -Z		L	25	9.8±0.9	3.5	0.7	0.92	14.2	5
		S	43						7
DF- □□□ -3 □ -Z		L	35	7.9±0.7	2.1	0.3	0.29	9.3	5
		S	57						12
DF- □□□ -4 □ -Z		L	39	8.0±0.8	2.5	0.5	0.7	10.8	6
		S	69						10
DF- □□□ -5 □ -Z		L	38	9.0±0.6	1.64	0.49	0.3	10.15	9
		S	70						11
DF- □□□ -6 □ -Z		L	30	8.33±0.9	3.5	0.6	0.8	10.6	3
		S	50						8
DF- □□□ -7 □ -Z		L	27	10.75±0.8	3.5	0.3	0.8	13.5	3
		S	48						8
DF- □□□ -8 □ -Z		L	33	8.17±0.8	2.8	0.6	0.7	11.2	5
		S	54						9
DF- □□□ -9 □ -Z		L	13	9.75±1.9	6.9	0.55	1.9	16.8	2
		S	21	9.5±1.9					3