



DF3 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

1500VAC (50~ 60Hz)

Storage Temperature Range

-25°C to 85°C (with no icing)

Operating Temperature Range

-40°C to 85°C (with no icing)

Storage Humidity

At 40°C , Max. 85% R.H

Vibration

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

Electrical Service Life

3A~5A - Min. 10,000 operations

Electrical Operating Frequency

3A~5A - 10~30 operations per minute

Mechanical Service Life

Min. 5,000,000 operations

Mechanical Operating Frequency

120 operations per minute

TYPICAL APPLICATIONS

Mice, Joysticks, Small Household Appliances, HEVAC, Industrial

CERTIFICATE INFORMATION

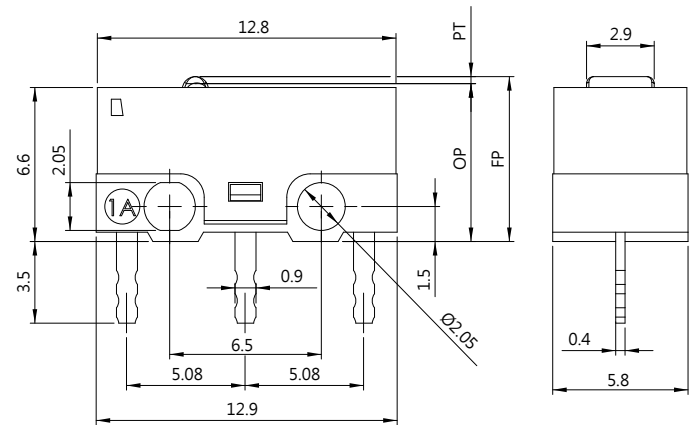
Model Name	cULus · ENEC15
DF3-03	3A 125/250VAC, 3A 24VDC (Normal temperature) Min. 10,000 operations
DF3-S3	3A 125VAC Min. 50,000 operations (Normal temperature)
	3A 250VAC Min. 30,000 operations
	3A 24VDC Min. 10,000 operations
DF3-05	5A 125/250VAC, 3A 24VDC (Temp:85°C) Min. 10,000 operations

SPECIAL APPLICATIONS FOR GAMING MOUSE

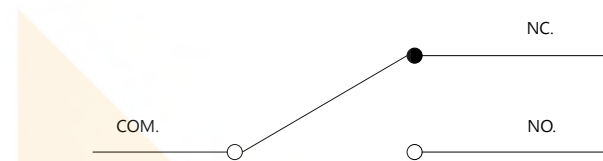
DF3-0.1A, Min. 20,000,000 operations

DIMENSIONS

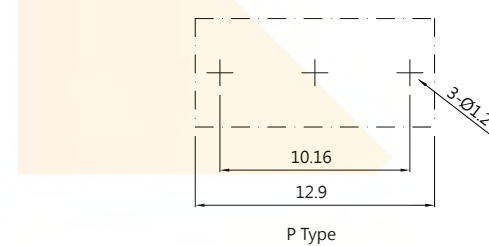
Unless otherwise specified, a tolerance of ±0.4mm applies to all dimensions.



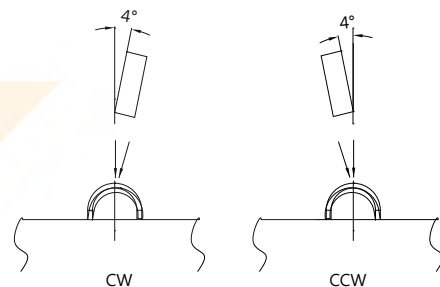
CONTACT CONFIGURATION



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

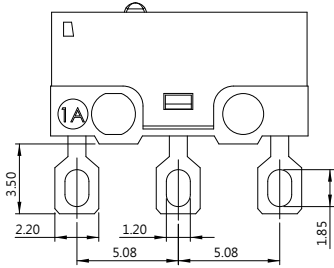
THE SELECTION OF RATING & FORCE

Model	Rating	L	S
DF3	3A	*	*
	5A	*	*

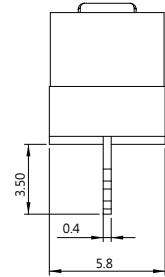
NOTE : The Symbol " * " to represent the result is accepted

TERMINAL TYPES

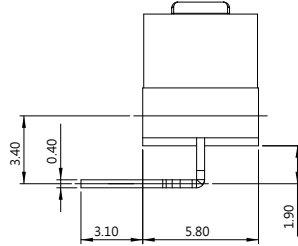
E type



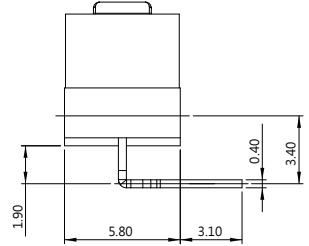
P type



C type

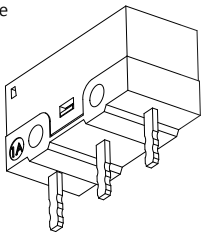


D type

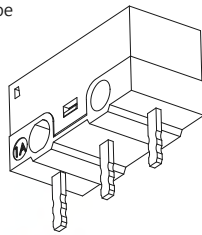


PILLAR TYPES

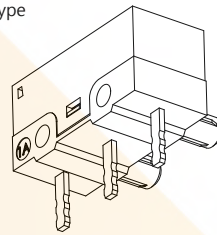
A0 type



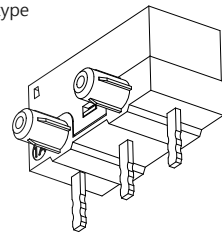
B0 type



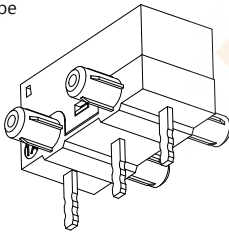
C1 type



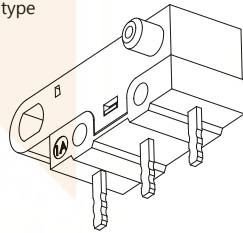
C2 type



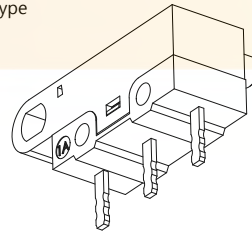
C3 type



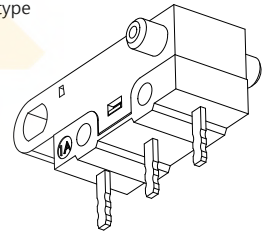
D4 type



D5 type



D6 type



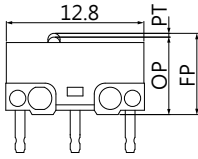
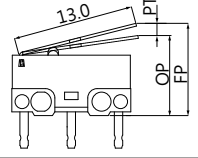
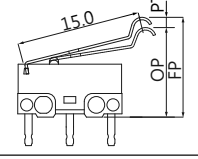
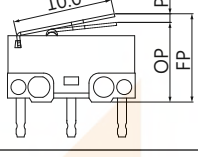
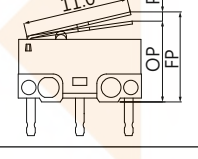
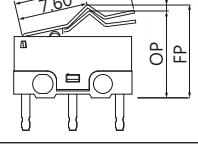
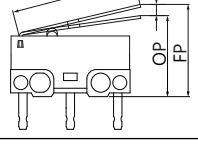
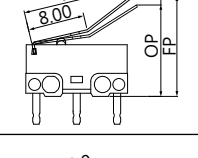
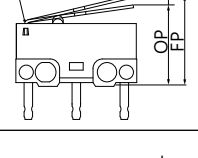
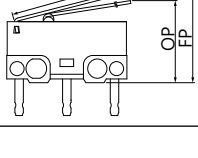
ORDERING INFORMATION

D	F	3	—	0	3	S	1	—	0	1	P	0	C	1	—	0	A	—	Z
SERIES PREFIX		CODE	RATING CURRENT	CODE	OPERATING FORCE	CODE	STRUCTURE TYPE	CODE	ACTUATOR TYPE	CODE	TERMINAL TYPE	CODE	CIRCUIT ARRANGEMENT	CODE	PILLAR & MOUNTING HOLES TYPE	CODE	PILLAR TYPE	SPECIAL CODE	ROHS CODE
		03	3A 125/250VAC Min.10,000 operations 3A 24VDC Min.10,000 operations	S	STANDARD	0	SINGLE BLADE	00		C		0	S.P.D.T	A		0	WITHOUT PILLAR		
		05	5A 125/250VAC Min.10,000 operations 3A 24VDC Min.10,000 operations	L	LIGHT			01		D		1	S.P.S.T NO	B		1			
		S3	3A 125VAC Min.50,000 operations 3A 250VAC Min.30,000 operations 3A 24VDC μT85 Min.10,000 operations					02		E		2	S.P.S.T NC	C		2			
										P				D		3			
																4			
																5			
																6			

DIMENSIONS FOR C1 TYPE C2 TYPE C3 TYPE							
CODE	L1	H	ΦA	ΦB	ΦC	ΦD	P
A	3.15	5.10	2.05	2.45	2.05	2.45	6.50

DIMENSIONS FOR D4 TYPE D5 TYPE D6 TYPE							
CODE	L1	H1	H2	ΦA	ΦB	P	
A	1.95	1.85	2.05	2.05	2.55	13.05	

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)
DF3- □□□ -0 □ -Z		L	80	7.0±0.2	0.5	0.2	0.12	7.50	21
		S	150						35
DF3- □□□ -1 □ -Z		L	30	8.2±0.8	3.4	0.6	0.8	10.1	5
		S	56						8
DF3- □□□ -2 □ -Z		L	25	10.2±0.8	3.5	0.7	0.7	14.2	5
		S	43						7
DF3- □□□ -3 □ -Z		L	35	7.9±0.5	2.1	0.3	0.4	9.3	5
		S	57						12
DF3- □□□ -4 □ -Z		L	36	8.0±0.6	2.5	0.5	0.7	10.8	6
		S	60						10
DF3- □□□ -5 □ -Z		L	50	9.2±0.6	1.64	0.49	0.3	10.15	7
		S	75						11
DF3- □□□ -6 □ -Z		L	30	8.33±0.9	3.5	0.6	0.8	10.6	5
		S	50						8
DF3- □□□ -7 □ -Z		L	27	10.75±0.9	3.5	0.3	0.8	13.5	3
		S	48						8
DF3- □□□ -8 □ -Z		L	33	8.15±0.7	2.8	0.6	0.7	11.2	5
		S	54						9
DF3- □□□ -9 □ -Z		L	13	9.5±1.7	6.9	0.55	1.9	16.8	2
		S	21						3