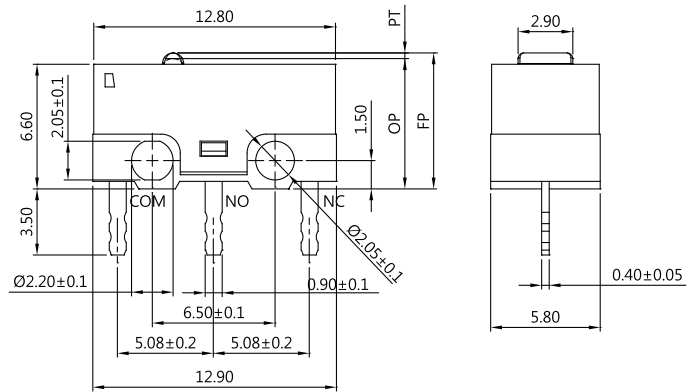


MICRO SWITCHES



DIMENSIONS

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



DF3 SERIES

SPECIFICATIONS

Contact Resistance (initial)

Max. 100m 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. 5,000,000 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

APPLICATIONS

Mouse, Joystick, Small home appliance, Central heating control

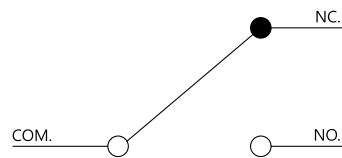
CERTIFICATE INFORMATION

Model Name	UL, cUL	ENEC
DF3-03 DF3-G3	3RA 125/250VAC μ T55 1E4 3RA 24VDC μ T55 1E4	3A 125/250VAC μ T55 1E4 3A 24VDC μ T55 1E4
DF3-S3	3RA 125VAC μ T55 5E4 3RA 250VAC μ T55 3E4 3RA 24VDC μ T55 1E4	3A 125VAC μ T55 5E4 3A 250VAC μ T55 3E4 3A 24VDC μ T55 1E4
DF3-05	5RA 125/250VAC μ T85 1E4 3RA 24VDC μ T85 1E4	5A 125/250VAC μ T85 1E4 3A 24VDC μ T85 1E4

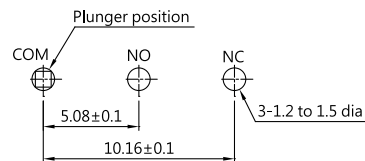
SPECIAL APPLICATIONS FOR GAMING MOUSE

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

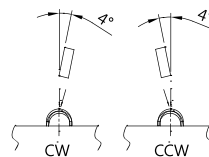
CONTACT CONFIGURATION



MOUNTING HOLES FOR PCB TERMINAL



PRESSING DIRECTION IS SUGGESTED TO BE VERTICAL AND WITH $\pm 4^\circ$



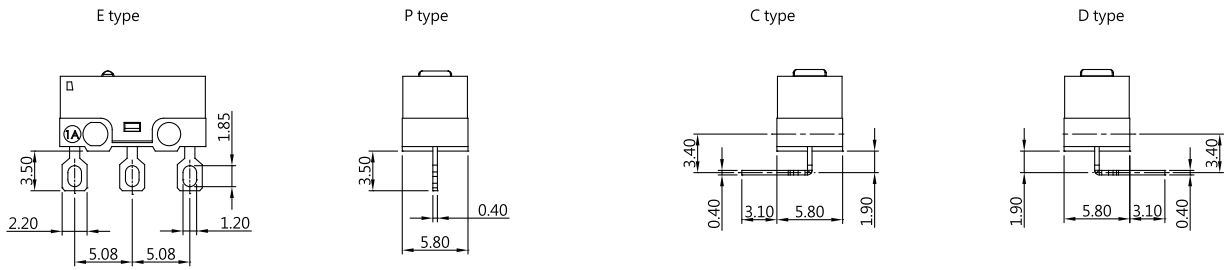
Available for the model that mouse has stoppers added more than Min.0.1mm

THE SELECTION OF RATING & FORCE

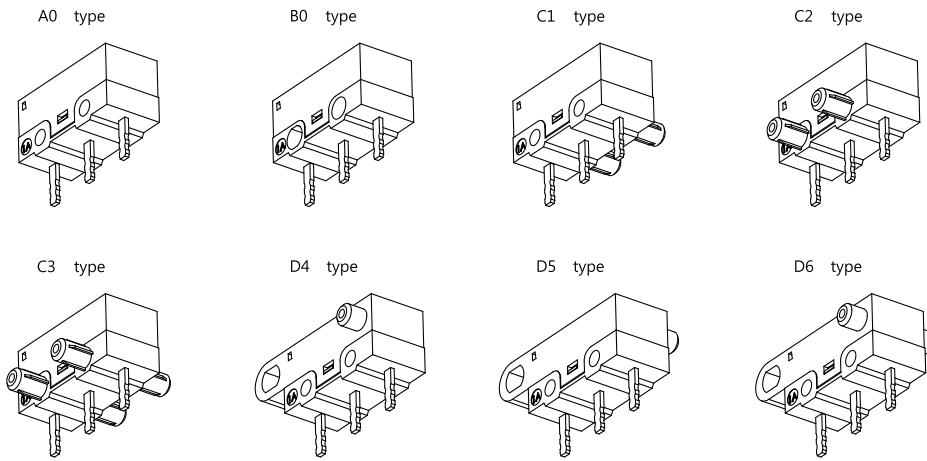
Model	Rating	L	S
DF3-03 DF3-G3	3A	*	*
DF3-S3	3A	*	*
DF3-05	5A	*	*

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

TERMINAL TYPES



PILLAR TYPES

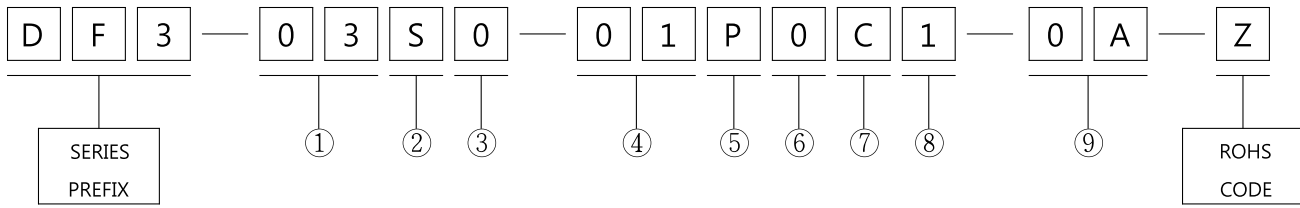


CAUTIONS



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

ORDERING INFORMATION



①	RATING CURRENT	
	03	3A 125/250VAC
	* G3	3A 125/250VAC
	05	5A 125/250VAC
	S3	3A 125/250VAC (High Life)

②	OPERATING FORCE	
	S	STANDARD
	L	LIGHT

③	0	STRUCTURE TYPE
		SINGLE BLADE

④	ACTUATOR TYPE				
	00	01	02	03	04

⑤	TERMINAL TYPE			
	* C	* D	* E	P

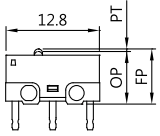
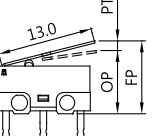
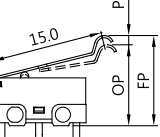
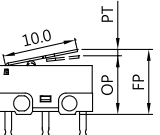
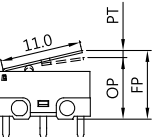
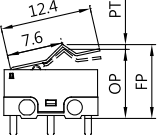
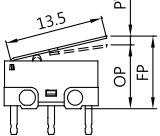
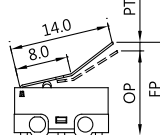
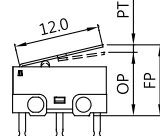
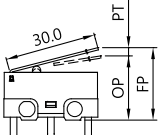
⑥	CIRCUIT ARRANGEMENT	
	0	S.P.D.T
	1	S.P.S.T NO
	2	S.P.S.T NC

⑦	PILLAR & MOUNTING HOLES TYPE			
	A	B	* C	* D

⑧	PILLAR TYPE						
	0(FOR A/B TYPE)	1(FOR C TYPE) *	2(FOR C TYPE) *	3(FOR C TYPE) *	4(FOR D TYPE) *	5(FOR D TYPE) *	6(FOR D TYPE) *
	WITHOUT PILLAR						

⑨	SPECIAL CODE														
	* DIMENSIONS FOR C1/C2/C3 TYPE							* DIMENSIONS FOR D4/D5/D6 TYPE							
	CODE	L1	H	ØA	ØB	ØC	ØD	P	CODE	L1	H1	H2	ØA	ØB	P
	A	3.15	5.10	2.05	2.45	2.05	2.45	6.50	A	1.95	1.85	2.05	2.05	2.60	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)
		L	S						
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	0.92	14.2	5
		S	43						7
DF3- □□□□ -3 □ -Z		L	40	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