



- ▶ **High quality micro switches for a wide range of applications**
- ▶ **Excellent performance, high reliability and long service life**
- ▶ **UL/cUL and ENEC certification**
- ▶ **Applications - automotive (operation system, engine area Interior), air conditioner, communication, electric tooth brush, toys**

### Specifications

Contact resistance (initial)	Max. 100mΩ Measured by ohm meter –Open Voltage<1VDC, Driver current -100mA
Insulation Resistance (at 500 VDC / minute)	Min. 100 MΩ
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. 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



### Certification information

	UL - cUL	ENEC
DFW-P1	0.1RA 125/250VAC $\mu$ T85 1E4 3RA 24VDC $\mu$ T85 1E4	0.1A 125/250VAC $\mu$ T85 1E4 3A 24VDC $\mu$ T85 1E4
DFW-05	5RA 125/250VAC $\mu$ T85 1E4 3RA 24VDC $\mu$ T85 1E4	5A 125/250VAC $\mu$ T85 1E4 3A 24VDC $\mu$ T85 1E4

### Selection of rating & force

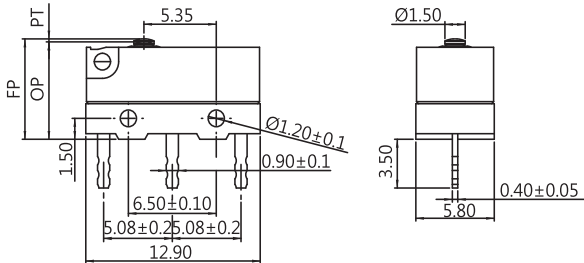
MODEL	Rating	L	S
DFW	0.1A	*	*
	5A	*	*

Note: The "\*" symbol represents the result is accepted

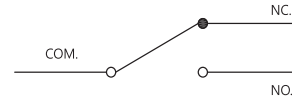


## Dimensions

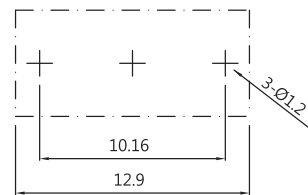
Es gilt eine Toleranz von +/- 0,4mm für alle Dimensionen, sofern nicht anders angegeben



Kontakt Konfiguration



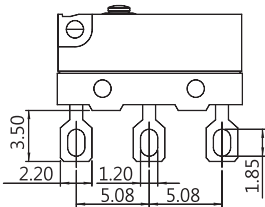
Befestigungslöcher



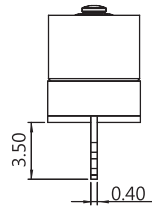
P Type

## Terminal types

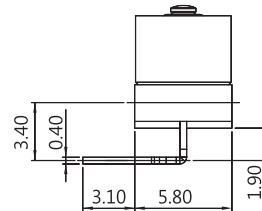
E TYPE



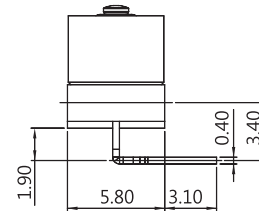
P TYPE



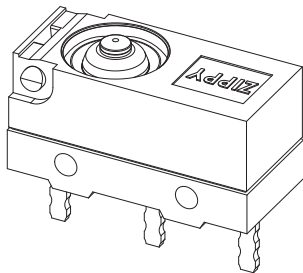
C TYPE



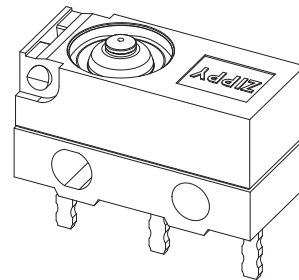
D TYPE



## Cover types



A type – Screw holes Ø1.2 mm



E type – Screw holes Ø2.05 mm



## Ordering information

(Please use the characters in the chart below to create your product code)

**Sample code**      DFW   -   05   S   -   B01   P   0   A   -   Z

### Rating Current

P1	0.1A 125/250VAC
05	5A 125/250VAC

### Operating Force

S	standard
L	light

### Actuator Type

A00	
A01	
A02	
B00	
B01	
B02	

### Terminal Type

C	
D	
E	
P	

If you require a customized solution for your program contact our sales team.



## Ordering information



(Please use the characters in the chart below to create your product code)

**Sample code**                    DFW   -   05   S   -   B01   P   0   A   -   Z

### Circuit Arrangement

0	S.P.D.T
1	S.P.S.T No
2	S.P.S.T NC

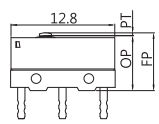
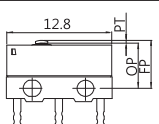
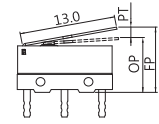
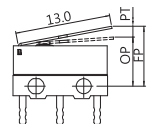
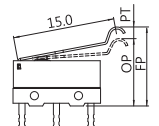
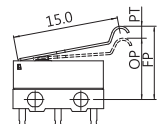
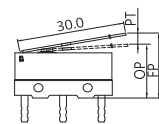
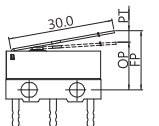
### Cover and Case Type

A	
E	

If you require a customized solution for your program contact our sales team.



Operating characteristics (internal snap-fit lever)

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						
DFW- □□□ -A00 □ -Z		L	100	7.0 ± 0.2	0.5	0.2	0.12	7.5	21
		S	170						35
		L	100	5.9 ± 0.2	0.5	0.2	0.12	6.4	21
		S	170						35
DFW- □□□ -A01 □ -Z		L	32	8.2 ± 0.8	3.4	0.6	0.8	10.1	5
		S	56						8
		L	32	7.1 ± 0.8	3.4	0.6	0.8	9.0	5
		S	56						8
DFW- □□□ -A02 □ -Z		L	28	10.2 ± 0.8	3.5	0.7	0.92	14.2	5
		S	48						7
		L	28	9.1 ± 0.8	3.5	0.7	0.92	13.1	5
		S	48						7
DFW- □□□ -A09 □ -Z		L	15	9.5 ± 1.7	6.9	0.55	1.9	16.8	2
		S	24						3
		L	15	8.4 ± 1.7	6.9	0.55	1.9	15.7	2
		S	24						3



Operating characteristics (external snap-fit lever)

SWITCH TYPE	PART SUFFIX	OF Max. (gf)		OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	RF Min. (gf)
DFW-□□□-B00□-Z		L	100	7.0 ± 0.2	0.5	0.2	0.12	7.5	21
		S	170						35
		L	100	5.9 ± 0.2	0.5	0.2	0.12	6.4	21
		S	170						35
DFW-□□□-B01□-Z		L	32	8.2 ± 0.8	3.4	0.6	0.8	10.1	5
		S	56						8
		L	32	7.1 ± 0.8	3.4	0.6	0.8	9.0	5
		S	56						8
DFW-□□□-B02□-Z		L	28	10.2 ± 0.8	3.5	0.7	0.92	14.2	5
		S	48						7
		L	28	9.1 ± 0.8	3.5	0.7	0.92	13.1	5
		S	48						7
DFW-□□□-B09□-Z		L	15	9.5 ± 1.7	6.9	0.55	1.9	16.8	2
		S	24						3
		L	15	8.4 ± 1.7	6.9	0.55	1.9	15.7	2
		S	24						3