

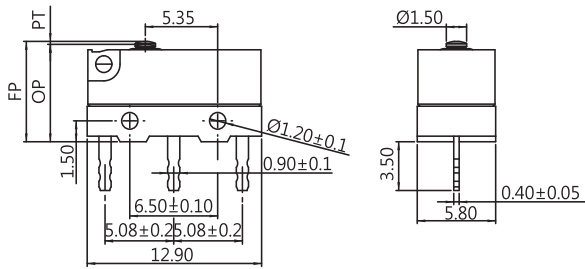
DFW Series Micro Switches (WATERPROOF)

- 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

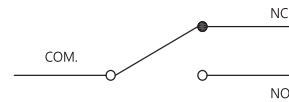


Reference dimensions mm

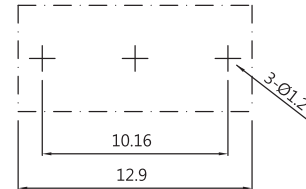
Unless otherwise specified, a tolerance of $\pm 0.4\text{mm}$ applies to all dimensions.



CONTACT CONFIGURATION



MOUNTING HOLES



P Type

General specifications

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

Model Name	UL - cUL	ENEC
DFW-P1	0.1RA 125/250VAC μ T85 1E4 3RA 24VDC μ T85 1E4	0.1A 125/250VAC μ T85 1E4 3A 24VDC μ T85 1E4
DFW-05	5RA 125/250VAC μ T85 1E4 3RA 24VDC μ T85 1E4	5A 125/250VAC μ T85 1E4 3A 24VDC μ T85 1E4

Selection of rating & force

MODEL	Rating	L	S
DFW	0.1A	★	★
	5A	★	★

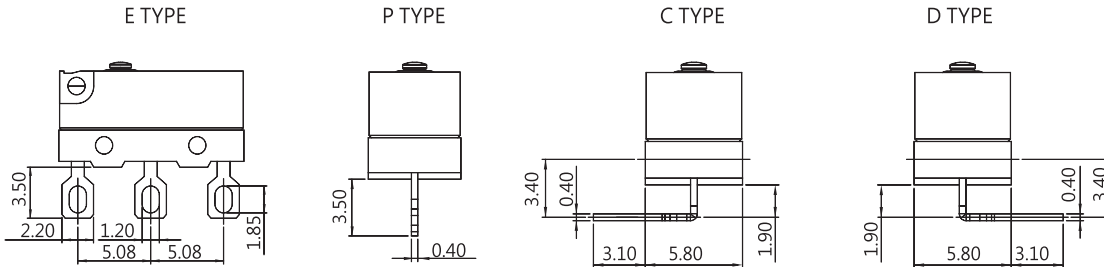
NOTE: The symbol " ★ " represents the result is accepted

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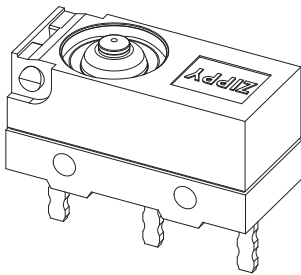
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Terminal types



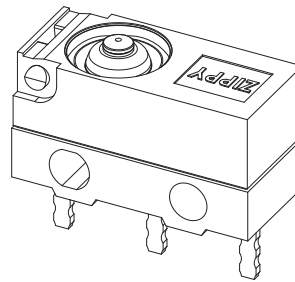
Cover types

A type



A type – Screw holes Ø1.2 mm

E type



E type – Screw holes Ø2.05 mm

Ordering information

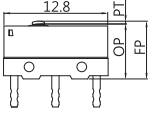
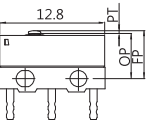
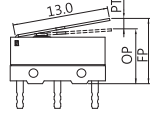
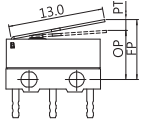
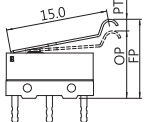
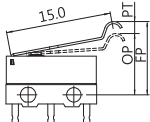
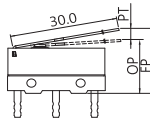
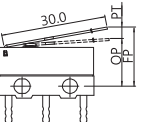
D F W	0 5	S	B 0 1	P	0	A	Z
SERIES PREFIX	RATING CURRENT	OPERATING FORCE	ACTUATOR TYPE	TERMINAL TYPE	CIRCUIT ARRANGEMENT	COVER&CASE TYPE	ROHS CODE
	P1 0.1A 125/250VAC 05 5A 125/250VAC	S STANDARD L LIGHT	A00 A01 A02	C D E P	0 S.P.D.T 1 S.P.S.T NO 2 S.P.S.T NC	A E	
			B00 B01 B02				

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Operating characteristics (Internal snap-fit lever)

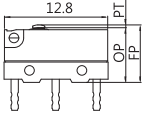
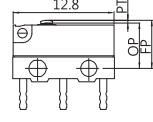
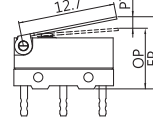
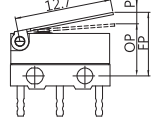
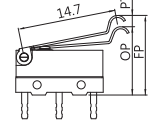
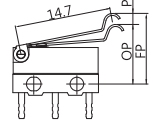
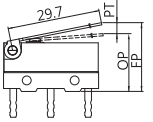
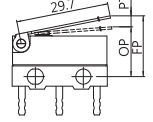
SWITCH TYPE	PART SUFFIX	OF Max. (gf)		OP (mm)	PT Max. (mm)	OT Min. (mm)	MD Max. (mm)	FP Max. (mm)	RF Min. (gf)
		L	S						
DFW- □□□ -A00 □ -Z		L	100	7.0 ± 0.2	0.5	0.2	0.12	7.5	21
		S	170						35
		L	100	5.9 ± 0.2	0.5	0.2	0.12	6.4	21
		S	170						35
DFW- □□□ -A01 □ -Z		L	32	8.2 ± 0.8	3.4	0.6	0.8	10.1	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

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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