

F5

Snap-action Microswitches

Ultraminiature

F5

- small switch
- long mechanical and electrical life
- PCB mounting

ing 250 VAC, 5 A

m) 12.8 × 7 × 5

- plunger
- plain lever
- simulated roller lever/cam follower

als UL, CSA

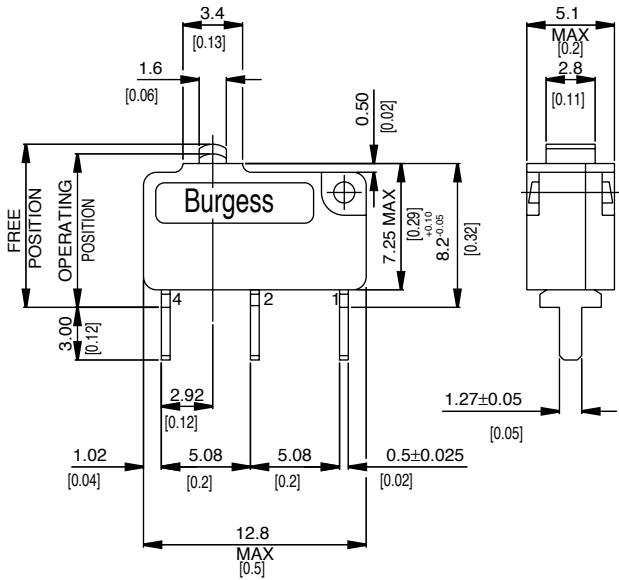
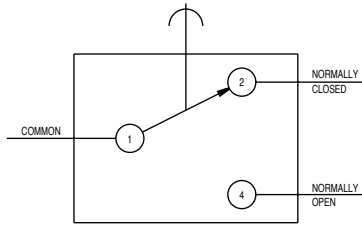


Preferred Range

Reference	Actuating Force (N) (ozf)		Sealing	Operating pos. (mm) (in)		Terminal	Circuit	Actuator	Contacts	Electrical rating
UL	1.4	5.00	IP40	8.75	0.34	PCB	CO	Plunger	Ag	Up to 250 VAC, 5 A
UL	1.4	5.00	IP40	8.75	0.34	PCB	CO	Plunger	Gold plate	Up to 250 VAC, 5 A
UL	0.6	2.20	IP40	8.80	0.35	PCB	CO	Plain lever	Ag	Up to 250 VAC, 5 A
UL	0.6	2.20	IP40	8.80	0.35	PCB	CO	Plain lever	Gold plate	Up to 250 VAC, 5 A
UL	0.7	2.50	IP40	10.90	0.43	PCB	CO	Simulated roller	Ag	Up to 250 VAC, 5 A
UL	0.7	2.50	IP40	10.90	0.43	PCB	CO	Simulated roller	Gold plate	Up to 250 VAC, 5 A

Specifications

Housing	Glass fibre reinforced nylon
Plunger	Nylon
Mechanism	Snap-action, single pole
Functions	Change-over, Normally open, Normally closed
Contacts	Fixed, Moving - Silver or Gold plate on silver
Terminals	PCB - Brass, gold flashed
Temperature range °C	-40°C to +85°C
Mechanical life	10 ⁷ cycles minimum (impact free actuation)
Protection	IP 40 (enclosure)
Mounting	PCB
Actuators	Plain lever; simulated roller (cam follower) lever



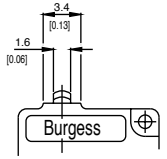
Recommended maximum electrical ratings

Voltage (max)	Load (A)	Approval
250 VAC	5 (0.75 pf)	UL 1054/CSA 22.2 No. 55 - 6,000 operations
125 VAC	5 (0.75 pf)	UL 1054/CSA 22.2 No. 55 - 6,000 operations
0 - 15 VDC	5	General rating - 50,000 operations
15 - 30 VDC	1	General rating - 50,000 operations

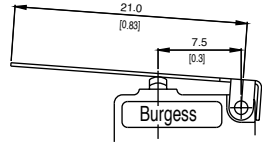
Operating Characteristics



Actuator	Reference	Actuating Force		Release Force		Free Position		Operating Position		Movement Differential		Over travel
		Maximum (N)	(ozf)	Minimum (N)	(ozf)	Maximum (mm)	(in)	(mm)	(in)	Maximum (mm)	(in)	
ger	F5T8	1.4	5.00	0.25	0.90	9.5	0.37	8.75 ± 0.3	0.34 ± 0.012	0.13	0.005	*

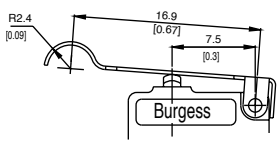


ver	F5T8Y1	0.6	2.20	0.07	0.25	10.7	0.42	8.8 ± 1.1	0.35 ± 0.04	0.70	0.030	*
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Width of lever 3.0 mm/0.12 in

ver	F5T8YC	0.7	2.50	0.09	0.32	12.4	0.49	10.9 ± 0.85	0.43 ± 0.03	0.45	0.020	*
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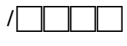
Width of lever 3.0 mm/0.12 in

Operating characteristics are specified from the terminal shoulder.

* Plunger can be depressed flush with housing. The housing should not be used as an end stop.

Type coding key for standard products

Type	Example: F5	T8	C2	Y1	GP	UL
Materials	T8	PCB	1.27 × 0.5 × 3.0 long			
Circuit	C2	No symbol, change-over	Normally closed			
	C4	Normally open				
Colors	Y1	No symbol, without lever	Plain lever 21.0 mm			
	YC	Cam follower lever 16.9 mm				
Material	GP	No symbol, Ag	Gold plate on Ag (GP)			
Materials	UL	No symbol, without approval	UL and CSA approval			



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