

FK4

- Characteristics
- double break switching
 - long mechanical and electrical life
 - solder, 2 mm faston and PCB mounting
 - snap-action

Rating 250 VAC, 5 A

Dimensions (mm) 18 × 8 × 5

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

Approvals UL and CSA



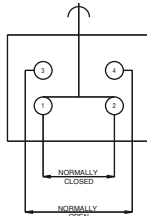
Preferred Range

Ordering Reference	Actuating Force (N) (ozf)		Sealing	Operating pos. (mm) (in)		Terminal	Circuit	Actuator	Contacts	Electrical rating
FK4T7UL	1,8	6,5	IP40	8,25	0,32	Solder	SPDT	Plunger	Ag	Up to 250 VAC, 5 A
FK4T7Y1UL	0,8	2,9	IP40	8,25	0,32	Solder	SPDT	Plain lever	Ag	Up to 250 VAC, 5 A
FK4T7YCUL	1,0	3,6	IP40	10,40	0,41	Solder	SPDT	Simulated roller	Ag	Up to 250 VAC, 5 A

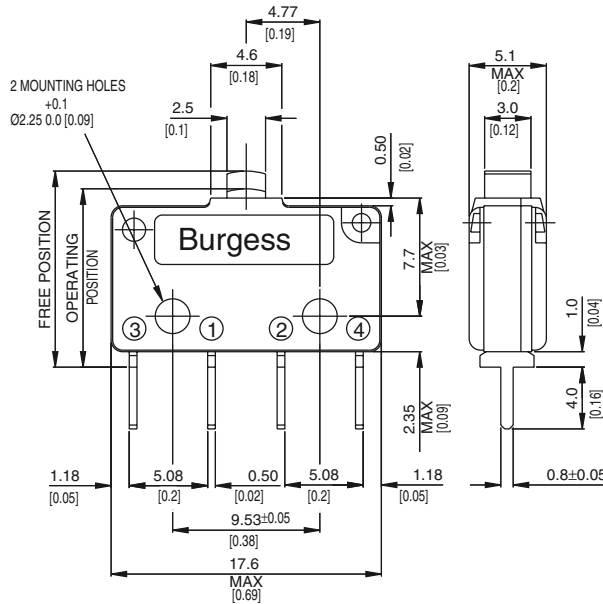
Specifications

Housing	Glass fibre reinforced nylon
Plunger	Nylon
Mechanism	Double pole, single throw snap-action coil spring mechanism with stainless steel springs
Functions	Change-over, NO, NC
Contacts	Silver
Terminals	Solder, PCB - brass, gold flashed
Temperature range °C	-40°C to +85°C
Mechanical life	10 ⁷ cycles minimum (impact free actuation)
Protection	IP40 (enclosure)
Mounting	Side mounting or PCB mounting (T8 only)
Actuators	Plain lever, simulated roller lever/cam follower
Accessory	Insulating sheet

Circuit diagram



Dimensions

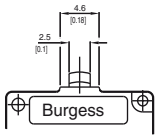
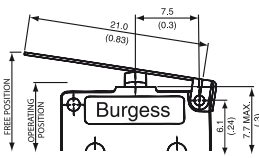
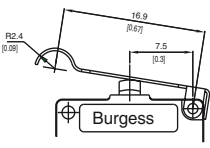


Recommended maximum electrical ratings

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	3	General rating - 50,000 operations

Values shown are recommended maximum ratings for single circuit switching

Operating Characteristics

Actuator	Reference	Actuating Force		Release Force		Free Position Maximum		Operating Position		Movement Differential Maximum	
		(N)	(ozf)	(N)	(ozf)	(mm)	(in)	(mm)	(in)	(mm)	(in)
	FK4T7*	1.8	6.50	0.25	0.9	9.4	0.37	8.25 ± 0.25	0.32 ± 0.01	0.50	0.02
	FK4T8 ¹⁾	1.8	6.50	0.25	0.9	12.75	0.50	11.60 ± 0.45	0.45 ± 0.02	0.50	0.02
	FK4T7Y1	0.8	2.90	0.09	0.3	12.1	0.48	8.25 ± 0.9	0.32 ± 0.04	1.85	0.07
	FK4T8Y1	0.8	2.90	0.09	0.3	15.6	0.61	11.55 ± 1.1	0.45 ± 0.04		
Width of lever 3.0 mm/0.12 in											
	FK4T7YC	1.0	3.60	0.1	0.4	13.5	0.53	10.40 ± 0.6	0.41 ± 0.02	1.30	0.05
	FK4T8YC	1.0	3.60	0.1	0.4	17.0	0.67	13.70 ± 0.8	0.54 ± 0.03		
Width of lever 3.0 mm/0.12 in											

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

Datum for free position and operating position

* FK4T7 – Center of fixing hole

¹⁾ FK4T8 – Terminal shoulder

Ordering Reference

Basic type	FK4			Example: FK4			T7	Y1	UL	
Terminals	T7	Solder	0,5 × 3,5							
	T8	PCB	0,5 × 0,8							
Actuators	No symbol, plunger									
	Y1	Plain lever								
	YC	Simulated roller lever/cam follower								
Approvals	UL	UL and CSA								