

## FK4

Characteristics	<ul style="list-style-type: none"> <li>■ double break switching</li> <li>■ long mechanical and electrical life</li> <li>■ solder</li> </ul>
Rating	250 VAC, 5 A
Dimensions (mm)	18 × 8 × 5
Actuator	<ul style="list-style-type: none"> <li>■ plunger</li> <li>■ plain lever</li> <li>■ simulated roller lever/cam follower</li> </ul>
Approvals	UL and CSA



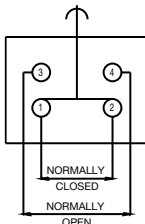
## Preferred Range

Ordering Reference	Actuating Force		Sealing	Operating pos.		Terminal	Circuit	Actuator	Contacts	Electrical rating
	(N)	(ozf)		(mm)	(in)					
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

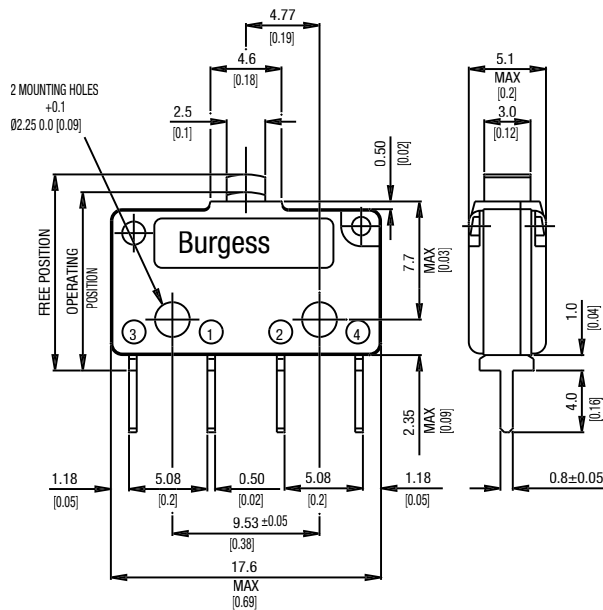
## Specifications

Housing	Glass fibre reinforced flame retardent 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 <sup>7</sup> cycles minimum (impact free actuation)
Protection	IP40 (enclosure)
Mounting	Side mounting or PCB mounting (T8 only)
Actuators	Plain lever, simulated roller lever/cam follower, stainless steel

Circuit diagram



Dimensions

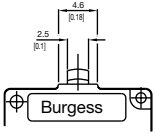
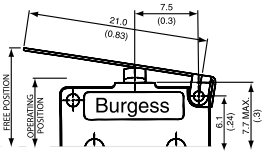
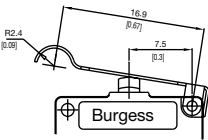


## Recommended maximum electrical ratings

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 Position		Free Position Maximum (mm)	Operating Position Differential Maximum (mm)	Movement			
		(N)	(ozf)	(N)	(ozf)			(in)	(mm)	(in)	
Plunger 	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
Y1 Lever 	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
Width of lever 3.0 mm/0.12 in											
YC Lever 	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
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

## Ordering Reference

Basic type	FK4	Example: FK4			T7	Y1	UL
Terminals	T7	Solder	0,5 × 3,5 × 3,6 long				
Actuators	Y1	No symbol, plunger					
	YC	Plain lever					
		Simulated roller lever/cam follower					
Approvals	UL	UL and CSA					