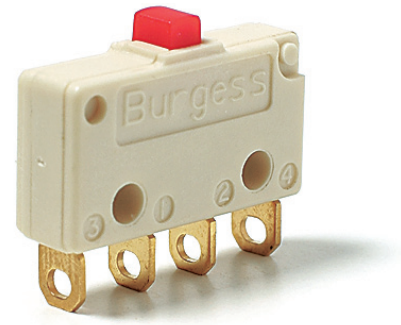


FK4

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



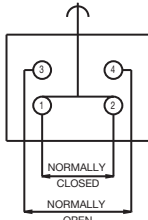
Preferred Range

| 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 |

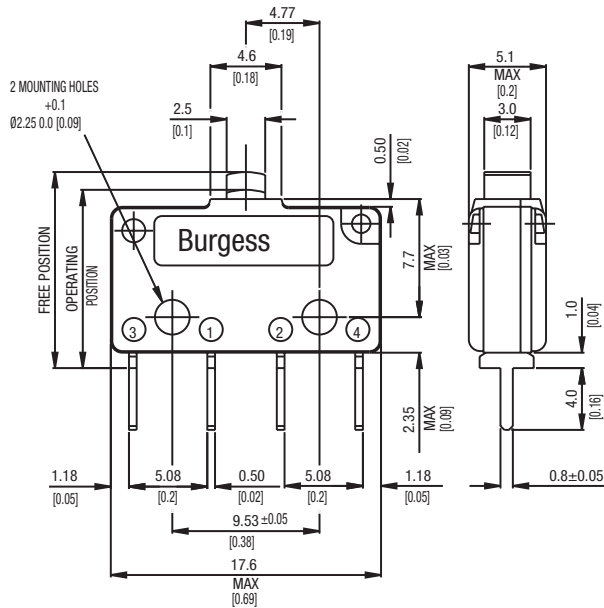
Specifications

| | |
|----------------------|--|
| Housing | Glass fibre reinforced 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 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, 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 | Operating Differential | Movement | | | |
|-------------------------------|-----------|-----------------|-------------|------------------|-------|---------------|------------------------|--------------|-------------|------|------|
| | | Maximum (N) | Force (ozf) | Minimum (N) | (ozf) | Maximum (mm) | Maximum (in) | Maximum (mm) | (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 | | | | |