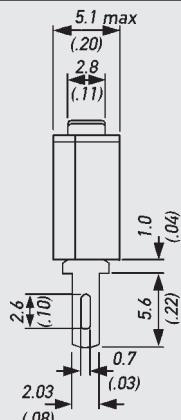
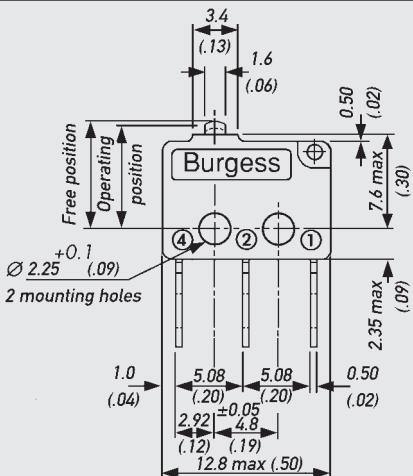


F4/F5-Series



F4T6

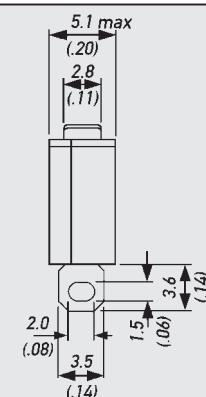
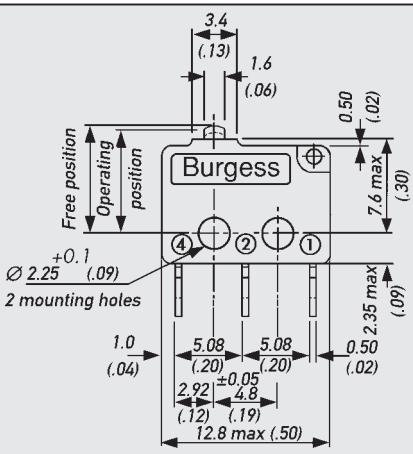


Among the world's smallest switches with power capabilities, these units have surprisingly high current ratings and are engineered with precision for long and reliable life.

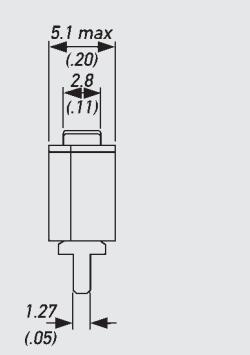
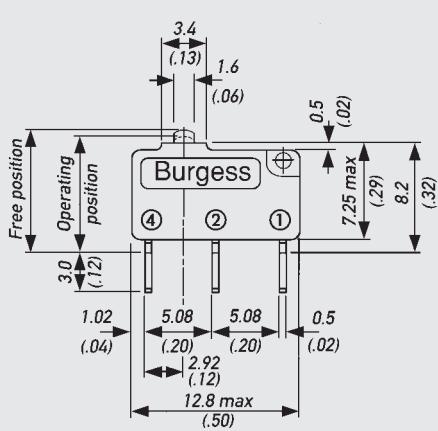
The use of a double pivot mechanism provides a wiping action of the contacts to improve weld-breaking capability. The proven high capacity stainless steel coil spring mechanism provides maximum service life and reliability.

The F4 range is designed for side mounting with two M2 screws. The much-reduced size of the F5 is achieved by the omission of mounting holes. It is intended for use on printed circuit boards.

F4T7



F5T8



F4
F5

Specifications

Housing:
Glass fibre reinforced Polyamide (PA 6.6)

Plunger:
Polyamide (PA 6.6)

Mechanism:
Double pivot, snap-action coil spring mechanism with stainless steel spring.
Single pole changeover or normally open

Contacts:
Fine silver
Gold plate on silver

Terminals:
F4T6: 2.0 mm faston
F4T7: Solder
F5T8: PCB
All terminals are gold flashed.

Temperature Range:
-40°C to +85°C

Mechanical Life:
10⁷ cycles minimum (impact free actuation)

Type of protection:
Enclosure – IP40

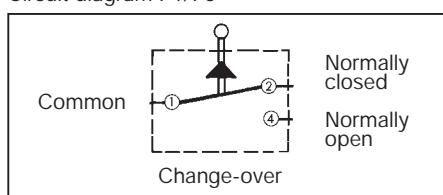
Mounting:
F4: Side mounting
F5: PCB

Actuators:
Plain lever; Cam follower

Accessories:
Lug mounting frame, insulating sheet,
spring-leaf actuator

Approvals:
UL; CSA;

Circuit diagram F4/F5



Recommended Max. Electrical Ratings		
Voltage	Resistive load	Inductive load
VAC	A	A
125 250	5 5	5 5

Gold-plated contacts are intended for use in signal circuits where the energy being switched is at the milliwatt level. Power being switched must be limited in order to avoid overheating and possible dispersal of the gold from the contact area.

See also page 5.

Recommended Max. Electrical Ratings		
Voltage	Resistive load	Inductive load
VDC	A	A
up to		
30	5	5
50	2	2
75	1	1
125	0.5	0.06
250	0.25	0.03

The breaking capacities in the table refer to silver contacts. For gold contacts see the text above right.

Product Range Operating Characteristics

F4
F5

Actuator	Reference	Actuating Force Maximum N (ozf)	Release Force Minimum N (ozf)	Free Position Maximum mm (in)	Operating Position mm (in)	Movement Differential Maximum mm (in)	Over Travel
Plunger	F5T8 F4T6 F4T7	1.4 (5)	0.25 (0.9)	9.5 (0.37)	8.75 (0.34) ± 0.3 (± 0.012)	0.13 (0.005)	
Y1-Lever	F5T8Y1 F4T6Y1 F4T7Y1	0.6 (2.2)	0.07 (0.25)	10.7 (0.42)	8.8 (0.35) ± 1.1 (± 0.04)	0.7 (0.03)	
YC-Lever R 2.4 (09)	F5T8YC F4T6YC F4T7YC	0.7 (2.5)	0.09 (0.32)	12.4 (0.49)	10.9 (0.43) ± 0.85 (± 0.03)	0.45 (0.02)	Flush with case. The case should not be used as an end stop.
				10.0 (0.39)	8.2 (0.32) + 1.0/- 0.7 (+ 0.04/- 0.03)	0.7 (0.03)	
				11.7 (0.46)	10.3 (0.41) + 0.8/- 0.55 (+ 0.03/- 0.02)	0.45 (0.02)	
Width of lever 3.0 mm (.12)							

Datum for Free Position and Operating Position

F4 – Centre of fixing hole
F5 – Terminal shoulder

Ordering References

F4
F5

Switch range:	F4	Side mounting						
	F5	PCB mounting						
Terminal type								
T6 = Faston								
T7 = Solder								
T8 = PCB								
see page 12								
Circuit								
	No symbol = Changover							
C2	Normally closed*							
C4	Normally open							
Actuators								
	No symbol = Plunger							
Y1	Plain lever	21.0 mm (.83 in)						
YC	Cam follower	16.9 mm (.67 in)						
Contacts								
	No symbol = Fine silver							
GP	Gold plate on silver							