Snap-action Microswitches – Ultraminiature F1

	F1
Characteristics	 Long electrical rating from a very small switch Gold plated contacts PCB mounting from side UL and CSA approved
Rating	Up to 250 VAC, 5 A
Dimensions (mm)	16 x 6.5 x 5.7
Actuator	Plunger, plain lever
Approvals	UL, CSA

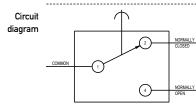


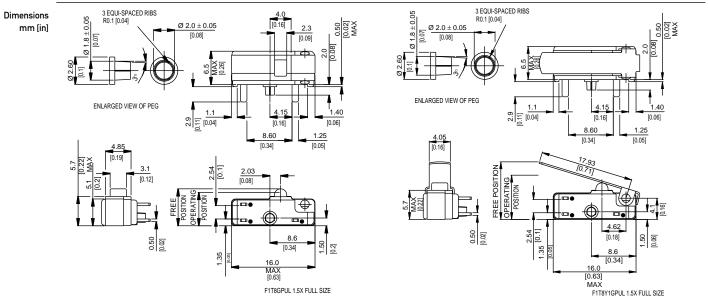
Preferred Product Range

Ordering Reference	Actuating (N)	Force (oz)	Sealing	Operating po (mm)	sition (in)	Terminal	Circuit	Actuator	Contacts	Electrical rating
F1T8GPUL	1.4	5.04	IP40	6.35	0.25	PCB	CO	Plunger	Gold plate	Up to 250 VAC, 5 A
F1T8Y1GPUL	0.5	1.80	IP40	8.50	0.33	PCB	CO		Gold plate	Up to 250 VAC, 5 A

Specifications

Housing	Glass fiber reinforced nylon
Plunger	Nylon
Mechanism	Snap-action, coil spring mechanism with stainless steel spring
Functions	Single pole change-over
Contacts	Gold plate on silver
Terminals	PCB - copper, gold-flashed
Temperature range °C	–40°C to +85°C
Mechanical life	10 ⁶ cycles minimum (impact-free actuation)
Protection	IP40 (enclosure)
Mounting	Side mount PCB with locating pin on housing
Actuators	Plain plunger, straight lever





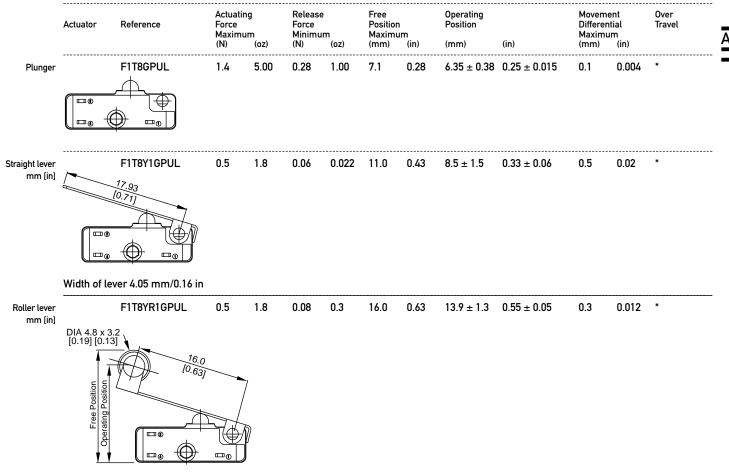
Recommended Maximum Electrical Ratings

Voltage (max)	Resistive load (A)	Inductive load	Approval
250 VAC	5 (0.75 pf)	5	UL 1054/CSA 22.2 No. 55 - 6,000 operations
0 - 15 VDC 15 - 30 VDC	5 10	10	General rating - 50,000 operations General rating - 50,000 operations

F1 switches have gold-plated silver contacts.

Switches with gold-plated contacts are intended for use in circuits where switching is at milliwatt levels. In this case, the power being switched must be limited to avoid the erosion of gold plate from the contact area. However, as the underlying contacts are silver, the same power ratings apply.

Operating Characteristics



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

Ordering Reference - How to Build a Part Number

	F1	
Terminals	Т8	PCB
Circuit	No digit	Change-over
Actuators	No digit Y1 YR1	Plunger Plain lever Roller lever
Contacts		Gold plate on silver
Approvals	UL	UL and CSA

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