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				
eet4U.c Approvals					



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	Lever	Gold plate	Up to 250 VAC, 5 A

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Specifications

	opeemeations							
	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 actua	ation)					
	Protection	IP40 (enclosure)						
	Mounting	Side mount PCB with locating pin on housing						
	Actuators	Plain plunger, straight lever						
Circuit	\uparrow							
diagram	NORM							
	2 CLOSE	D						
		ALLY						
	OPEN							
Dimensions	3 EQUI-SPACED RIBS 영, R0.1 [0.04] 여수수	4.0	8 3 EQUI-SPACED RIBS R0.1 [0.04] + _ Ø 2.0 ± 0.05 、 / 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、					
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		8.6						
	0.50	[0.34] G	SC 8.6					
			16.0					
		' [0.63] F1T8GPUL 1.5X FULL SIZE	[0.63] MAX					
			F1T8Y1GPUL 1.5X FULL SIZE					

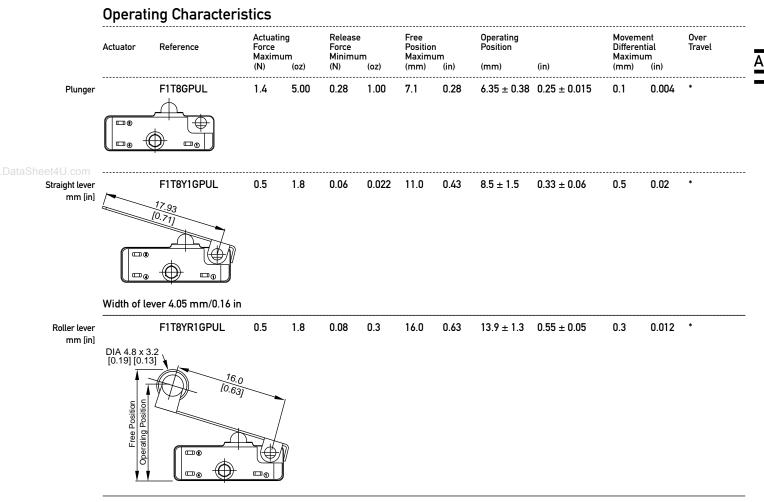
Recommended Maximum Electrical Ratings

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.

Dim



* 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	5	Change-over
Actuators	No digit Y1 YR1	Plunger Plain lever Roller lever
Contacts		Gold plate on silver
Approvals	UL	UL and CSA