

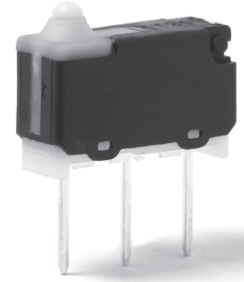
F6

Snap-action Microswitches

Ultraminiature

F6

Characteristics	<ul style="list-style-type: none">■ Small size■ Sealed construction (IP67)■ PCB mounting
Rating	12–30 VDC, 5–300 mA
Dimensions (mm)	14.65 × 9 × 5.35
Actuator	Plunger, plain lever, simulated roller lever
Approvals	None



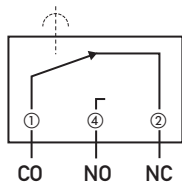
Preferred Range

Ordering Reference	Actuating Force (N)	Sealing	Operating pos. (mm)	Terminal	Circuit	Actuator	Contacts	Electrical rating
F6T85	1,6	IP6K7	10,8 ± 0,2	PCB	CO	Plunger	Gold plated	30 VDC, 300 mA

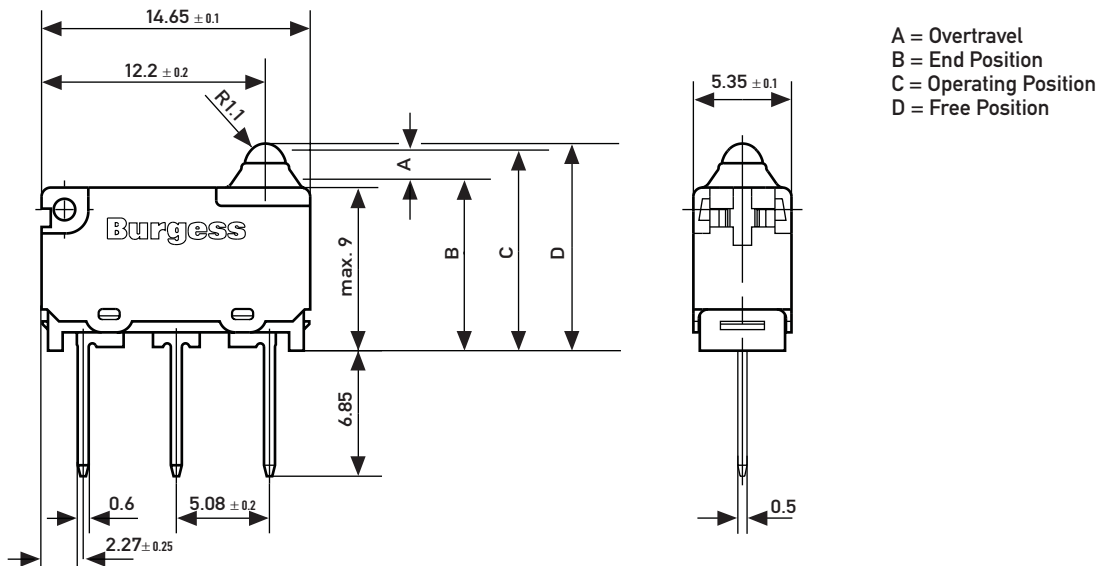
Specifications

Base	PBT
Lid	PP GF30
Plunger	POM
Mechanism	Leaf spring
Contacts	Fine silver / gold plated
Terminals	CuZn silver plated
Temperature range °C	-40°C up to +90°C
Mechanical life	Up to 1 mio. cycles
Protection	IP67
Actuators	Ice break levers
Cowl	TPE

Circuit diagram



Dimensions

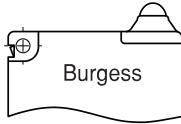


Recommended maximum electrical ratings

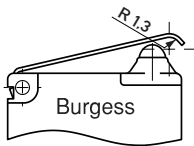
Voltage (VDC)	Resistive load (A)	Cycles
F6 12 to 30	0.005 – 0.3	500.000

Operating Characteristics

Actuator	Reference	Actuating Force Maximum (N)	Release Force Minimum (N)	Free Position Maximum (mm)	Operating Position (mm)	Movement Differential Maximum (mm)	Total travelled positions Maximum (mm)
Plunger	F6T85	1,6	0,2	11,35	10,8 ± 0,2	0,3	9,5



Actuator	Reference	Actuating Force Maximum (N)	Release Force Minimum (N)	Free Position Maximum (mm)	Operating Position (mm)	Movement Differential Maximum (mm)
H-Lever	F6T85H	For positions and forces of this actuator please contact Saia Burgess			11,3 + 0,35	0,45



Width of lever 3.0 mm/0.12 in

Datum for free position and operating position is button edge of base (stand-off's).
The case should not be used as an end stop.

Ordering Reference

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Terminals	No symbol	Pre-wired 500 mm with cable box
	T8	PCB 0,6 × 0,5 × 4,0 long
	T81	Bent PCB side B
	T82	Bent PCB side A
	T84	Short PCB 0,6 × 0,5 × 2,0 long
	T85	Long PCB 0,6 × 0,5 × 6,85 long
	T87	Long PCB side A, for flexible PCB
Circuit	No symbol	Change over
	C2	Normally closed
Actuators	No symbol	Without lever
	H	Bending lever 0,3 mm thickness
	Y	Special lever Y-clip-on
	Y1	Plain lever mm
	YC	Cam follower lever
Contact Material	HC	Bending lever, cam follower
	No symbol	Fine silver
	GP	Gold plate on silver (GP)