

MICRO SWITCH EJF SERIES

FEATURES

- Small compact size suitable for personal computer mouse use
- 1-piece spring mechanism design offering durable acute operation and nice touch feeling
- Heavy/Light operation force specifications
- High flux-tight structure
- High solder reliability



APPLICATIONS

- Computer mouse
- Communication equipment
- Security systems
- Office automation appliances
- General industrial machines

SPECIFICATIONS

Ratings	125VAC 3A; 125VAC 1A; 125VAC 0.1A
Circuit arrangement	Single pole Double throw (1c), snap action
Pitch between terminals	5.08mm

ELECTRICAL PERFORMANCE

Insulation resistance	100M Min. at 500VDC
Dielectric strength	1000VAC Min. for 60sec
Initial contact resistance	100m Max.

MECHANICAL PERFORMANCE

Operating Force (OF)	see attached drawing
Release Force (RF)	
Pre-travel (PT)	
Operating Position (OP)	
Free Position (FP)	O.F. 150gf (1.47N) 300m/s ² {30G}Max.
Shock Resistance (Without lever)	O.F. 75gf (0.74N) 300m/s ² {30G}Max.
Vibration Resistance (Without lever)	10 to 55 Hz amplitude of 1.5mm
Terminal strength	1.2Kg(1 minute) in the direction of the axis of solder terminals

DURABILITY

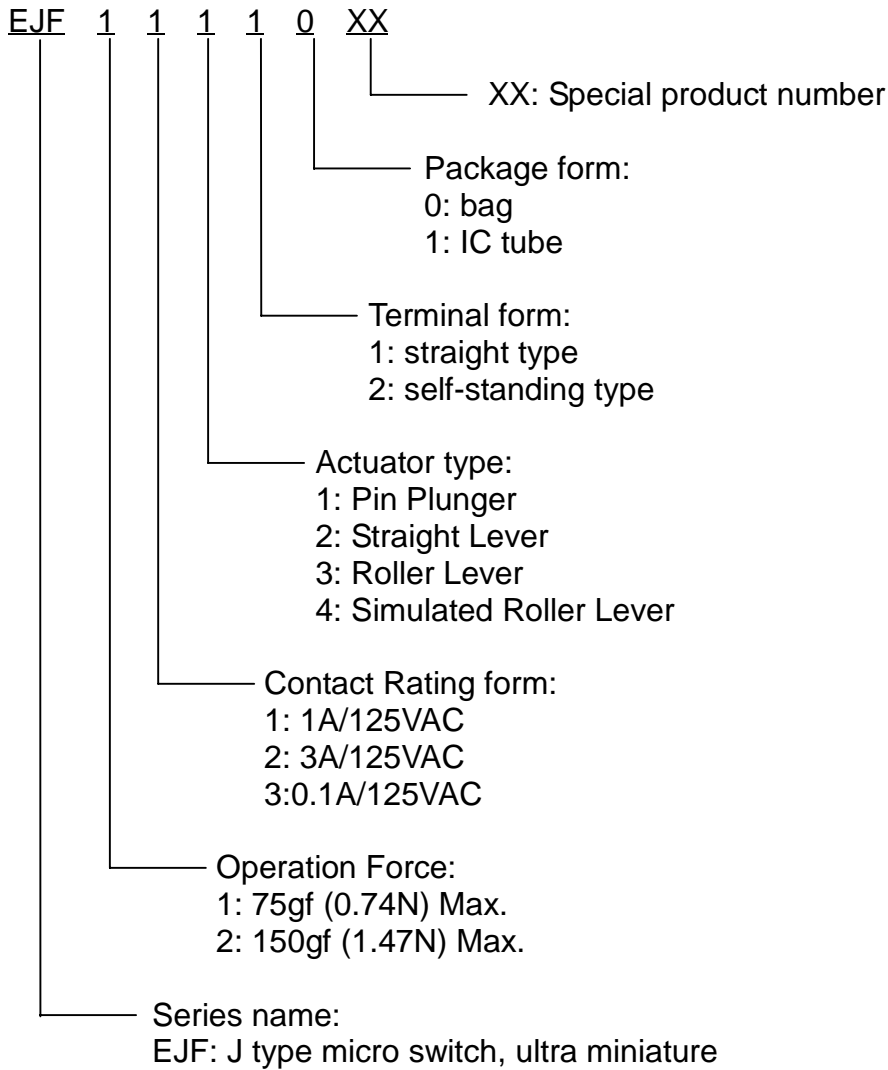
Mechanical life	1,000,000 cycles Operations
Electrical life	30,000 cycles Operations



ENVIRONMENTAL

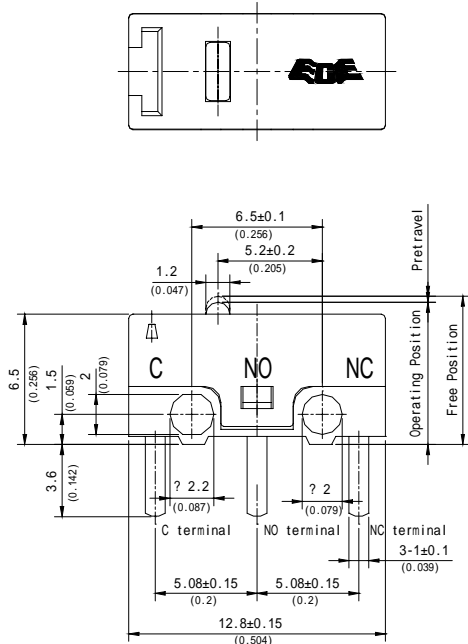
Operating temperature	-25 ~ +65 (85%RH Max. without dew condensation)
Storage temperature	-25 ~ +65 (85%RH Max. without dew condensation)

PART NUMBERING SYSTEM

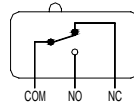


P/N:EJF2111000 Unit:mm(inch)

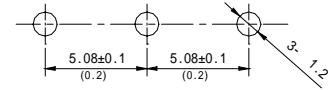
EJF DIMENSIONS



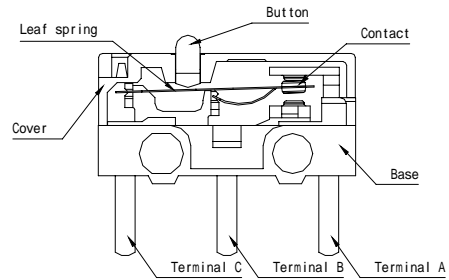
CIRCUIT DIAGRAM



P.C.B LAYOUT:



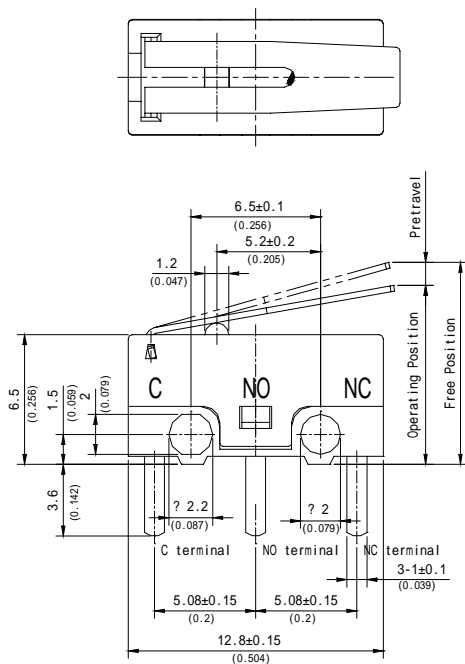
CONSTRUCTION



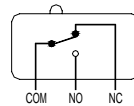
1. Operating Force (OF)	150gf (1.47N) Max.
2. Release Force (RF)	30gf (0.29N) Max.
3. Pre-travel (PT)	0.3±0.2
4. Operating Position (OP)	6.9±0.3
5. Free Position (FP)	7.4mm Max.

P/N:EJF2121000 Unit:mm(inch)

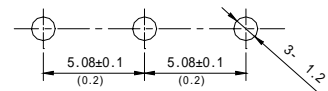
EJF DIMENSIONS



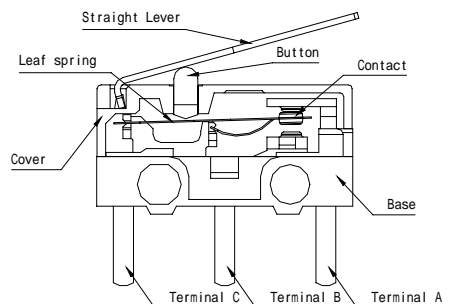
CIRCUIT DIAGRAM



P.C.B LAYOUT:



CONSTRUCTION



1. Operating Force (OF)	75gf (0.74N) Max.
2. Release Force (RF)	10gf (0.098N) Max.
3. Pre-travel (PT)	3.2±1.5
4. Operating Position (OP)	8.3±1.5
5. Free Position (FP)	11.5mm Max.