

## Limit Switch, Code : TZ-8122

A limit switch is an electromechanical device that consists of an actuator mechanically linked to a set of contacts. TZ-8104 is Double circuit type with highly rigid construction, consists of intensive plastic and aluminum cast (Head and cover snugly fit in box) ,Small in volume, water-proof and oil-proof construction. It is built-in basic switch with double spring mechanism, has longer mechanical life, provide smooth operation with greater OT and easy-to-wire circuit opening design. It has wide variety of actuators, easily useable.

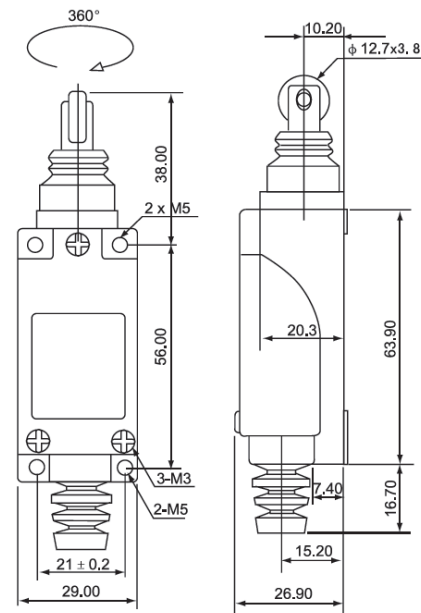
### General Attributes

- Operating force : 900g
- Release force : 150g
- Pre-travel : 1.5 mm
- Operational Position :  $37 \pm 0.8$ mm
- Movement differential : 1 mm
- Over travel : 4 mm
- Operation speed : 0.5mm-50cm/sec
- Operating frequency : Mechanical: 120 operations/minute Electrical: 30operations/minute
- Contact resistance : 25m $\Omega$  max. (initial value)
- Insulation resistance : 100m $\Omega$  min. (below 500VDC)
- Dielectric strength : 1500VAC, 50/60 Hz for 1 minute between current carrying and non-current carrying metal parts
- Vibration : 10-55Hz, 1.5mm double amplitude
- Shock : Mechanical durable: 1, 000m/Sec<sup>2</sup> (about 100G'S) Malfunction: 300m/Sec<sup>2</sup> (about 30G'S)
- Ambient temperature : -5~+65°C (With no icing)
- Humidity : <95% RH
- Life: Mechanical : 10,000,000 operations above Electrical: 500,000 operations above
- Weight : About 130 to 190g
- Degree of protection : IP65

### Application Notes

As a safety interlocks, detection of presence or absence, passing, positioning, and end of travel of an object.

Injection molding machinery, PLC interface, machine tool equipment, elevators, escalators and moving stairs, gaming machines, material handling, packaging and textile equipment, food and beverage machinery, industrial doors, scissor and platform lifts, electronic assembly equipment.



### Application Notes

Presence/absence detection where physical contact with an object is permissible, such as over head cranes and hoists, packaging and earth moving equipment, stamping machines, conveyors, surface transportation and textile machinery, printing equipment and farm machinery.

In shipboard and dockside applications, caustic waste handling, power generating plants, pulp and paper equipment, welding machinery, automotive machine tools and conveyors.

For further information please visit : <https://goo.gl/2pybvU>