

Limit Switch, Code : CSA-003

A limit switch is an electromechanical device that consists of an actuator mechanically linked to a set of contacts. When an object comes into contact with the actuator, the device operates the contacts to make or break an electrical connection. They are used for controlling machinery as part of a control system. CSA-003 has a Strong metal outer shell with swing arm max. $\pm 95^\circ$, a Stainless steel idler wheel with punch and spring and a Standard size configuration of M18x1.5 for conduit connector

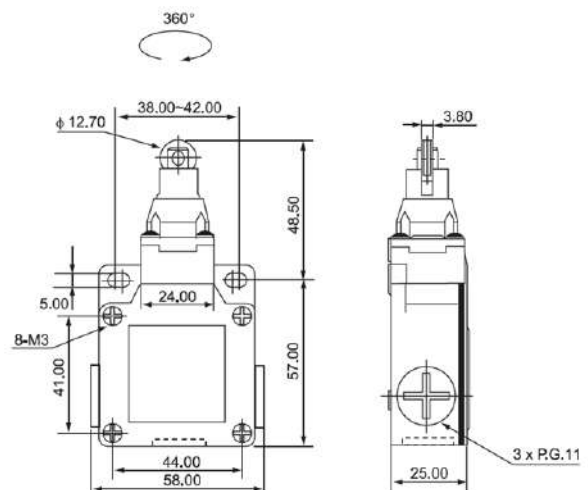
General Attributes

- Operating force : 800g
- Release force : 400g
- Pre-travel : 1.8mm
- Tripping position : 2.0mm
- Movement differential : 1.2mm
- Over travel : 4.0mm
- Total travel : 5.8mm
- Double Break Mechanism : NO+INC Force Break snap action
- Rated Voltage / Current : 10(4)A, 125, 250VAC /6(2)A, 380VAC For inductance Load, $\cos\phi=0.4$
- Contact Resistance : 25m Ω max. (initial value)
- Insulation Resistance : 100m Ω min. (at 500VDC)
- Electrical Life : 500,000 at 10A 250VAC Resistive
- Mechanical Life : 10, 000, 000 operations min. (under rated conditions)
- Operating Speed : 5mm/s to 0.5m/s
- Ambient Temperature Rised : Max 30°C over ambient temperature at rated voltage/current
- Operating Temperature : -5°C~+65°C (with no icing)
- Ambient Operating Humidity : 95% RH Max
- Shock Resistance : Mechanical durable: 1000m/s² min. Malfunction: 300m/s² min.
- Vibration Frequency : Malfunction: 10 to 55Hz, 1.5mm double amplitude

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



Wiring diagram

For further information please visit : <https://goo.gl/13zT1E>

