

Limit Switch, Code : CWLD1

A limit switch is an electromechanical device that consists of an actuator mechanically linked to a set of contacts. CWLD is a Double-circuit type of limit switch which is widely used as it has a strong aluminum cast outer shell with high mechanical strength. It possesses a structure of preventing oil, water and pressure. As it has an indicating plate with setting position is installed in it, so it is easy to maintain. It's Built-in contact stand has double-spring, so it has long mechanical life. It also has a standard size configuration of M20x1.5 for conduit connector.

General Attributes

- Operating Force (max) : 2720g
- Release Force (min) : 910g
- Pre Travel (max) : 1.7mm
- Over Travel (min) : 5.6mm
- Movement Differential (max) : 1mm
- Total Travel (min) : 6.5±0.8mm
- Operation speed : 1mm-2m/s
- Operating frequency : Mechanical: 120 operations/minute Electrical: 30 operations/minute
- Contact resistance : 15mΩ max. (initial value)
- Insulation resistance : 100mΩ min. (at 500VDC)
- Dielectric strength : 1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity 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/Sec² (about 100G'S) Malfunction: 300m/Sec² (about 30G'S)
- Ambient temperature : -10~+80°C (With no icing)
- Humidity : 95% RH
- Life : Mechanical : 15,000,000 operations above (under rated OT)
- Electrical : 500,000 operations above
- Weight : About 275g
- Degree of protection : IP66



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.

For further information please visit : <https://goo.gl/Ljq3tV>

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