

## Limit Switch (CLS 321)

### Description:

Limit switches are used in a variety of applications and environments because of their ruggedness, ease of installation, and reliability of operation. They can determine the presence or absence, passing, positioning, and end of travel of an object. They were first used to define the limit of travel of an object; hence the name "Limit Switch".

### Application:

- ✚ Packaging
- ✚ Working where people cannot
- ✚ Food and beverage
- ✚ Fire safety
- ✚ Control cabinets
- ✚ Commercial applications
- ✚ Metals – mining, refining, processing, forming
- ✚ Manufacturing – automotive/heavy equipment, machining, marine/aviation, glass & plastics
- ✚ Food & beverage packaging, distribution<sup>[2]</sup>
- ✚ Conveyor systems
- ✚ Beverage and food can making lines<sup>[3]</sup>
- ✚ Automatic faucets

### Feature:

- ✚ Economical & plastic type
- ✚ Stainless steel roller, punch and spring
- ✚ Swing amplitude, extra-large  $\pm 95^\circ$
- ✚ M20x1.5 cable gland that can be equip.







Authorized distributor of Cntd in Bangladesh

**CNTD**<sup>®</sup>

## Limit Switch (CLS 321)

### Technical Specification:

Electrical attributes and Key features	
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 $\Omega$ max. (initial value)
Insulation Resistance	100m $\Omega$ 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 Raised	Max 30°C over ambient temperature at rated voltage/current
Operating Temperature	-5°C~+65°C (with no icing)
Storage Temperature	-5°C~+65°C (with no icing)
Ambient Operating Humidity	95% RH Max
Shock Resistance	Mechanical durable: 1000m/s <sup>2</sup> min. Malfunction: 300m/s <sup>2</sup> min.
Approval	   
Protection	IP66 (IEC Standard)



[Click here for more.....](#)



Authorized distributor of Cntd in Bangladesh

**CNTD<sup>®</sup>**