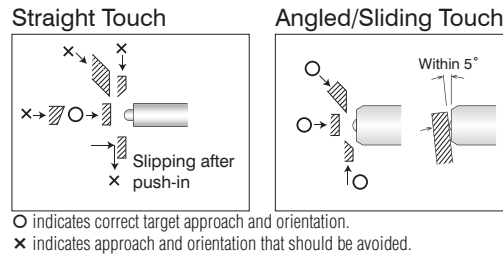


# Precision Limit Switches

## High Temperature Precision Limit Switches

- Operating up to 200°C
- Straight Touch or Angled/Sliding Touch
- Ball plunger model provides higher contact force ideal for indexing/positioning
- 10 micron ( $\mu\text{m}$ ) repeat accuracy
- No movement differential
- No temperature drift



High Temperature Precision Limit Switches Selection Chart										
Part Number	Price	Actuator/Head Type*	Barrel Type	Barrel Diameter/Thread	Stroke	Switching Output	Contact Force	Sensor Dimension	Connection Type	Photo
<b>Straight Touch</b>										
CS067A-HT2	\$210.00	Ø 2mm plunger, SR 1.5 mm	Threaded	M6×0.75	2.8 mm	N.O.	1N	Figure 1	Cable, 2m length	A

\* Ø = diameter, SR = surface radius



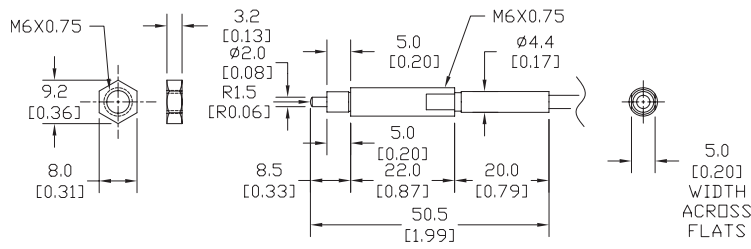
# Precision Limit Switches Dimensions

## High Temperature: HT Series

### Dimensions

mm [inches]

**Figure 1**  
**CS067A-HT2**



See our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

# Precision Limit Switches

High Temp Precision Limit Switches Specifications	
<b>Environmental</b>	
<b>Degree of Protection</b>	IP65**
<b>Temperature Range</b>	Operating: 0–200°C (32–392°F) (Ice-free)
<b>Mechanical Ratings</b>	
<b>Enclosure Material</b>	Stainless Steel
<b>Pretravel</b>	0.3 mm
<b>Torque (for nuts on threaded barrels, set screws on smooth barrels)</b>	4 N·m
<b>Oscillation</b>	10–55Hz total amplitude 1.5 for X, Y, Z each direction
<b>Impact</b>	300 m/s <sup>2</sup> for X, Y, Z each direction
<b>Electrical Ratings</b>	
<b>Contact Life</b>	3 million operations
<b>Repeat Accuracy</b>	Both On–Off, Off–On: 0.01 mm* **
<b>Recommended Minimum Operating Speed</b>	10 mm/minute
<b>Contact Voltage</b>	5–24VDC
<b>Steady Current Rating</b>	10mA or less
<b>Max In-rush Current Rating</b>	20mA
<b>Connection Type</b>	Cable: 2m Heat resistant Ø2.8/2 cores
<b>Indicating</b>	N/A

\* At operating speed 50-200 mm/minute. Operating speed slower than 10 mm/min is not recommended.

\*\* At normal temperature (0–80°C [32–176°F]).

## Circuit Diagrams

