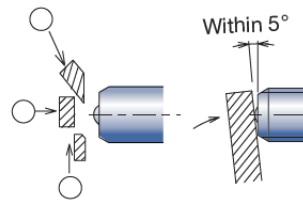


# Precision Limit Switches

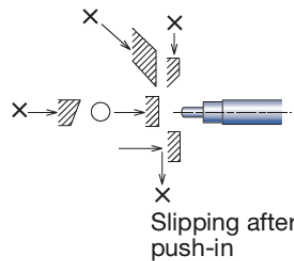
## High Temperature: HT Series

- Plunger and ball plunger models
- Constructed using heat resistant parts and adhesives
- Heat resistant cable
- Operating temperature upper limit of 200°C [392°F]

### High Temperature HT Series



O indicates correct target approach and orientation. X indicates approach and orientation that should be avoided.

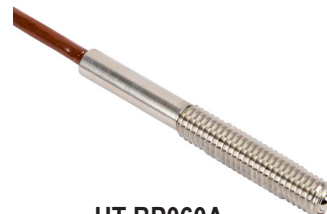


High Temperature Precision Limit Switches Selection Chart									
Part Number	Price	Actuator/Head Type*	Barrel Type	Barrel Diameter/Thread	Stroke	Switching Output	Contact Force	Connection Type	Drawing Link
<b>Straight/Precision Touch</b>									
<a href="#">HT-CS067A</a>	\$198.00	Ø 2mm plunger, SR 1.5 mm [0.059 in]	Threaded	M6×0.75	2.8 mm (0.110 in)	N.O.	1N	2m [6.56 ft] cable	PDF
<b>Indexing/Angled/Sliding Touch/Ball Plunger</b>									
<a href="#">HT-BP060A</a>	\$181.00	Ø 3mm [0.118 in] ball	Threaded	M6×1.0	0.8 mm (0.031 in)	N.O.	Min 6N Max 13N	2m [6.56 ft] cable	PDF
<b>Heat Resistant Stopper Bolt</b>									
<a href="#">STS060A-HT2</a>	\$165.00	1.5 mm [0.059 in] plunger, 3.4 mm [0.139 in] flat	Threaded	M6×1.0	0.7 mm (0.028 in)	N.O.	1N	2m [6.56 ft] cable	PDF
<a href="#">STM82A-HT2</a>	\$162.00	Ø 3 mm [0.118 in] plunger with boot	Threaded	M10×0.75	0.3 mm (0.012 in)	N.O.	1N	2m [6.56 ft] cable	PDF

\* Ø = diameter, SR = surface radius



HT-CS067A



HT-BP060A



STS060A-HT2



STM82A-HT2

# Precision Limit Switches

## High Temperature: HT Series

High Temperature Precision Limit Switches Specifications				
Part Number	HT-CS067A	HT-BP060A	STS060A-HT2	STM82A-HT2
<b>Environmental</b>				
Degree of Protection	IP65**	IP40**	IP40**	IP65**
Temperature Range	Operating: 0–200°C [32–392°F] (Ice-free)			
<b>Mechanical Ratings</b>				
Enclosure Material	Stainless Steel			
Pretravel	0.3 mm (0.012 in)	0.5 mm [0.020 in] from end face	0.3 mm [0.012 in] from stopping face	Middle of stroke
Torque (for nuts on threaded barrels, set screws on smooth barrels)	4 N·m	L1: 2.5 N·m (1.844 lb·ft) L2: 5 N·m (3.688 lb·ft) L3: 5 N·m (3.688 lb·ft)	L1: 5 N·m (3.688 lb·ft) L2: 5 N·m (3.688 lb·ft)	10 N·m (7.376 lb·ft)
Oscillation	10–55 Hz total amplitude 1.5 for X, Y, Z each direction			
Impact	300 m/s <sup>2</sup> for X, Y, Z each direction			
<b>Electrical Ratings</b>				
Contact Life	3 million operations			
Repeat Accuracy	0.01 mm [0.00039 in] * **			
Recommended Minimum Operating Speed	10mm [0.394 in]/minute			
Contact Voltage	5-24 VDC			
Steady Current Rating	10mA or less			
Max In-rush Current Rating	20mA			
Connection Type	Cable: 2m [6.56 ft] heat-resistant Ø 2.8 2 cores, 24AWG	Cable: 2m [6.56 ft] heat-resistant Ø 2.8 2 cores, 24AWG	Cable: 2m [6.56 ft] heat-resistant Ø 2.8 2 cores, 26AWG	Cable: 2m [6.56 ft] heat-resistant Ø 2.8 2 cores, 26AWG
Indicating	N/A			

\* At operating speed 50-200 mm [1.97-7.87 in]/minute. Operating speed slower than 10mm [0.39 in]/min is not recommended.

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

## Circuit Diagrams

Normally open (NO)

