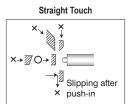
Precision Limit Switches

Precision Touch Limit Switches

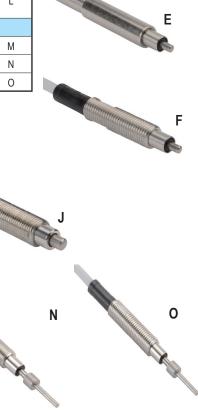
- Slim design (from M5) allows side-by-side installation
- Long-stroke and water-resistant models available
- 5 micron µm) repeat accuracy
- Stainless steel housing
- Metal bearing
- Straight-touch and straight needle touch available



O indicates correct target approach and orientation.

X indicates approach and orientation that should be avoided.

		Precis	sion Touch Limit Switches Selection Chart										
Part Number	Price	Drawing Link	Actuator/ Head Type*	Barrel Type	Barrel Diameter/ Thread*	Stroke	Switching Output	Contact Force	Connection Type	Photo			
Straight Touch													
CSJ055A-L		PDF	Ø 2mm plunger, SR 1.5 mm Ø 2mm plunger, Ø 4mm flat	Threaded	M5×0.5	2.8 mm	N.O.	1N	Cable, 3m length	А			
CSJS50A-L		PDF		Smooth	Ø 5mm					В			
CS065A-L		PDF		Threaded	M6×0.5					С			
CSS60A-L		PDF		Smooth	Ø 6mm					D			
CSS60B-L		PDF					N.C.			Е			
CS067A-L		PDF		Threaded	M6×0.75		N.O.			F			
CS067B-L		PDF					N.C.			G			
CS067A-BL		PDF					N.O.			Н			
CSS80A-L		PDF	Ø 3.5 mm plunger, SR 3mm	Smooth	Ø 8mm					I			
CS087A-L		<u>PDF</u>		Threaded	M8×0.75					J			
CSK087A-L		PDF				5mm				К			
CSK087B-L		PDF					N.C.						
CSP087A-AL		PDF	~ ~			2.8 mm	N.O.			L			
CSP087B-AL		<u>PDF</u>	Ø 2mm ball				N.C.						
Straight Needle (Contact 1	ouch											
CSJ055A-CL		<u>PDF</u>	1.5mm flat	Threaded	M5×0.5	2.8 mm	N.O.	1N	Cable, 3m length	М			
CS065A-CL		PDF			M6×0.5					N			
CS067A-CL		<u>PDF</u>			M6×0.75					0			
* Ø = diameter, SR = surface radius -L: LED indicator (mounted in cable 120mm from the switch)													



Precision Limit Switches

Precision Touch Limit Switches Specifications											
Туре	Straight Touch Switches										
Series	cs	CSJ	CSJ CSS		CSP						
Environmental											
Degree of Protection	IP65										
Temperature Range	Operating: 0–80°C (32–176°F) (Ice-free)										
Mechanical Ratings											
Enclosure Material	Stainless Steel										
Pretravel	0.3 mm										
Torque (for nuts on threaded barrels, set screws on smooth barrels)	4 N•m	2 N•m	N/A	N/A	7 N•m						
Oscillation	10–55Hz total amplitude 1.5 for X, Y, Z each direction										
Impact	300 m/s² for X, Y, Z each direction										
Repeat Accuracy	5 micron (μm)										
Recommended Minimum Operating Speed	10 mm/minute										
Electrical Ratings											
Contact Life	10 million operations										
Contact Voltage	5–24VDC										
Steady Current Rating	10mA or less										
Max In-rush Current Rating	10mA (limit current to protect LED indicator)										
Connection Type	Cable: 3m (2m for CSHP series) Oil resistant Ø2.8/2 cores, Tensile strength 30N, minimum bending R7										
Indicating	-L: LED indicator (mounted in cable 120mm from the switch)										

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

Circuit Diagrams

