

# Detector Switch Micro Switch Type

SSCT Series



A micro switch type applicable to printed circuit and lead wiring. Can be screwed on panel.

## Detector

Push

Slide

Rotary

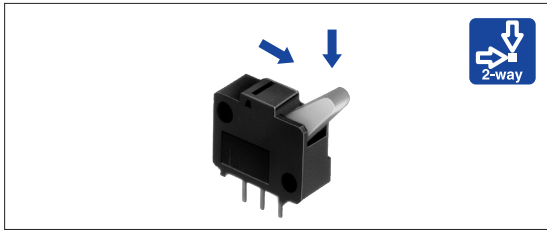
Encoders

Power

Dual-in-line  
Package Type

TACT Switch™

Custom-  
Products



## Typical Specifications

Items		Specifications
Rating (max.) / (min.) (Resistive load)		0.1A 12V DC/50μA 3V DC
Contact resistance (Initial /After operating life)		20mΩ max./60mΩ max.
Operating force		0.7±0.3N
Operating life	Without load	10,000cycles
	With load	10,000cycles (0.1A 12V DC)

## Product Line

Poles	Positions	Changeover timing	Operation part shape	Terminal type	Minimum order unit (pcs.)	Product No.
1	2	Non shorting	Lever	For PC board	5,000	SSCTL10600
				Lead		SSCTL10400

## Packing Specifications

### Bulk

Number of packages (pcs.)		Export package measurements (mm)
1 case /Japan	1 case /export packing	
1,000	5,000	400×270×290

## Dimensions

Unit:mm

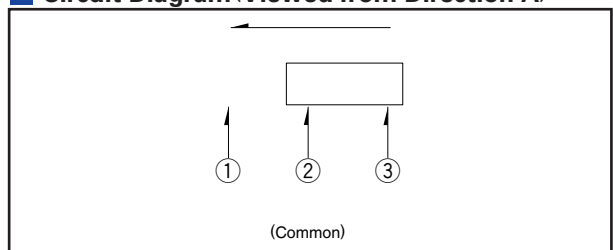
Style	PC board mounting hole dimensions (Viewed from direction A)
<p><b>Lever</b></p>	<p><b>Contact changeover timing</b></p> <p>Travel position (X) ● Push direction only</p>

## Terminal Type

Unit:mm

For PC board	Lead

## Circuit Diagram (Viewed from Direction A)



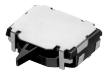











## Notes

- Above dimensions indicate "PC board type terminal" version.
- Please place purchase orders per minimum order unit N (integer).



## List of Varieties (General-purpose Type)

Series	General-purpose Type						
	SSCT	SSCF	SSCM	SPVP	SPVN	SPVS	
Photo							
Operation type							
Operating temperature range	-40°C to +85°C		-10°C to +60°C	-40°C to +85°C			
Automotive use	●	●	—	●	●	●	
Rating(max.) (Resistive load)	0.1A 12V DC			1mA 5V DC			
Rating(min.) (Resistive load)	50μA 3V DC			100μA 3V DC	50μA 3V DC		
Electrical performance	Initial contact resistance	200mΩ max.	100mΩ max.	2Ω max.	5Ω max.	2Ω max.	
	Insulation resistance	100MΩ min. 250V DC	100MΩ min. 100V DC				
	Voltage proof	250V AC for 1 minute	100V AC for 1 minute				
Mechanical performance	Terminal strength	3N for 1 minute	5N for 1 minute	0.5N for 1 minute			
	Actuator strength	20N	10N	2N	5N		
Durability	Operating life without Load	10,000cycles 500mΩ max.	50,000cycles 300mΩ max.	50,000cycles 5Ω max.	50,000cycles 10Ω max.	50,000cycles 5Ω max.	
	Operating life with Load	(0.1A 12V DC) 10,000cycles 500mΩ max.	(0.1A 12V DC) 50,000cycles 300mΩ max.	(1mA 5V DC) 50,000cycles 5Ω max.	(1mA 5V DC) 50,000cycles 10Ω max.	(1mA 5V DC) 50,000cycles 5Ω max.	
Environmental performance	Cold	-40±2°C for 500h		-20±2°C for 96h	-40±2°C for 500h		
	Dry heat	85±2°C for 500h		85±2°C for 96h	85±2°C for 500h		
	Damp heat	60±2°C, 90 to 95%RH for 500h		40±2°C, 90 to 95%RH for 96h	60±2°C, 90 to 95%RH for 500h		
Dimensions (mm)	W	12.5	11	5	3.5	3.8	
	D	5	5.8	4	5.65	3.6	
	H	11.5	12.4	1.5	1.2	1	
Soldering	Manual soldering	350±5°C, 3s max.	350±10°C, 3 <sup>-1</sup> s	350±5°C, 3s max.			
	Dip soldering	260±5°C, 5±1s			—		
	Reflow soldering	—			Please see P.97		
Number of poles	1						
Operation force	0.7±0.3N	0.7N max.	0.35N max.	0.55N max.	0.35N max.		
Page	59	60	62	63	64	66	

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line  
Package Type

TACT Switch™

Custom-  
Products

- Detector Switches Soldering Conditions .....97
- Detector Switches Cautions .....98

**Note**

●marks in "Available for automotive use" indicate that all of the series products can work at the operating temperature range from -40°C to +85°C.