

『J Type Micro Switch Standard』

The terminals and springs of our Micro Switches, originated from our progressive stamping technology, have contacts of silver alloy with gold-plating.
 We are the only manufacturer which handles the processes from material arrangements to progressive stamping to injection molding and to automated assembly in Japan.
 Our Micro Switches provide a wide variety of variations based on the needs of customers. They have a wide range of applications, including automotive parts for domestic and foreign cars, communication devices, solenoid valves and medical devices.

Rating

Contact Type	OF Value (Max)	Rating
1 Standard Type	150 g	3A, 125VAC
		2A, 30VDC

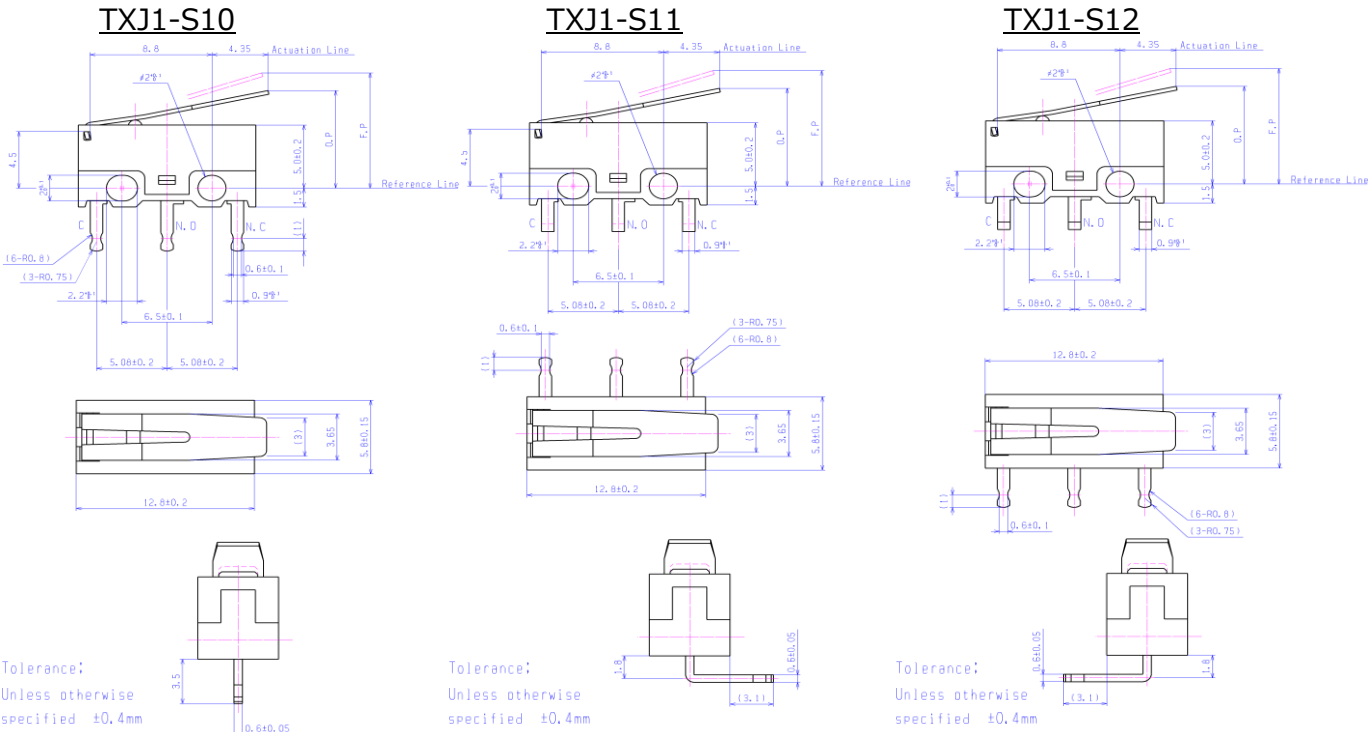
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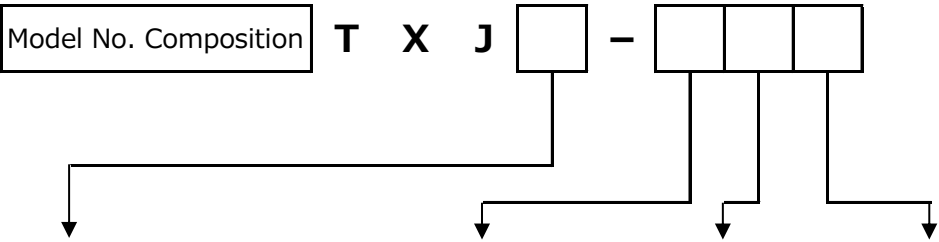
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Note: We can produce without lever type.



TXJ Type	Model No.	OF Value (Max)		Actuator		Terminal Shape		
		L		0	1	0	1	2
		Standard		Without Lever	With Lever	Straight PCB	Right-angled PCB	Left-angled PCB
Contact Spec.		150 g	50 g					
1 Standard Type	TXJ 1-S 0 0	●		●		●		
	TXJ 1-S 0 1	●		●			●	
	TXJ 1-S 0 2	●		●				●
	TXJ 1-S 1 0		●		●	●		
	TXJ 1-S 1 1		●		●		●	
	TXJ 1-S 1 2		●		●			●

Japan Torx Co., Ltd.

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Main Spec.

Item		Performance Data
Mechanical Life (Cycle)		Over 200,000 (switching frequency: 60 cycles/min., O.T. 100%)
Electrical Life (Cycle at Rating)		Over 10,000 (switching frequency: 20 cycles/min., O.T. 100%)
Insulation Resistance		Over 100 MΩ (insulation resistance tester: 500 VDC)
Withstand Voltage	Between terminals	1,000 VAC, 50/60 Hz, 1 minute
	Between a terminal and non-charged part	1,500 VAC, 50/60 Hz, 1 minute
	Between a charged part and gronded part	1,500 VAC, 50/60 Hz, 1 minute
Vibration Resistance		Complex amplitude 1.5 mm, 10 to 55 Hz (switching: under 1 ms)
Shock Resistance		50 G (switching: under 1 ms)
Contact Resistance		Under 15 mΩ (initial value)
Operating Speed Limit (no load)		0.1 mm/s-0.5 m/s (without lever type)
Maximum Switching Frequency		120 cycles/min., mechanical
Operating Temperature/Humidity		from -25℃ to +80℃ (without condensation) / Less than RH 85%

『J Type Micro Switch Light Operation』

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Rating

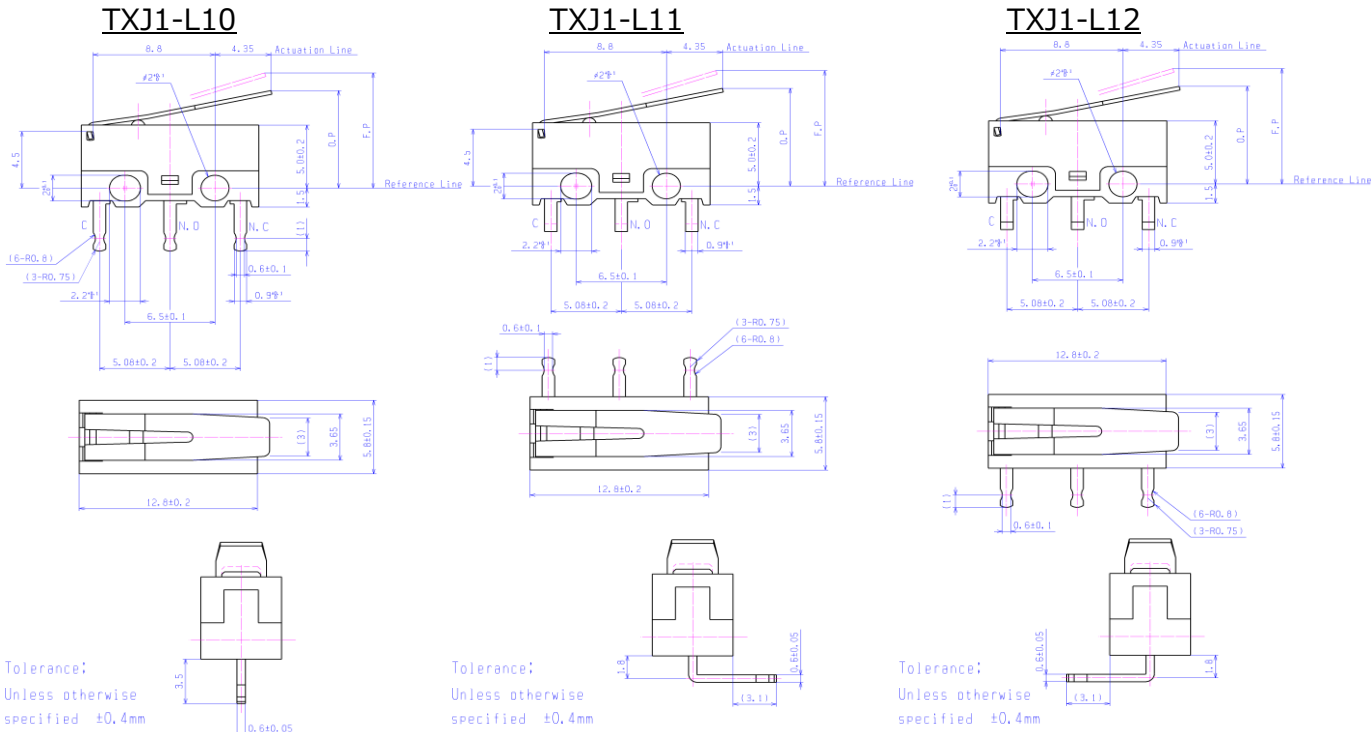
Contact Type	OF Value (Max)	Rating
1	75 g	1A, 125VAC
		0.5A, 30VDC

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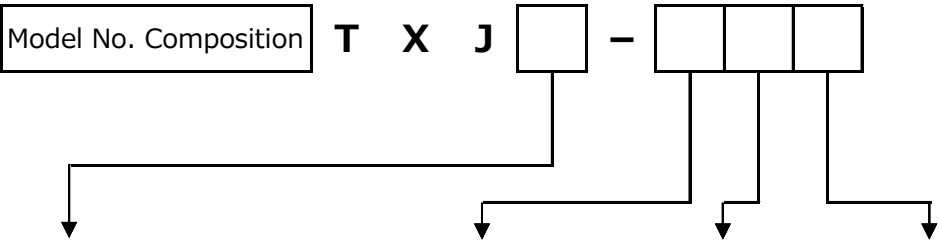
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Note: We can produce without lever type.



TXJ Type Contact Spec.	Model No.	OF Value (Max)		Actuator		Terminal Shape		
		L		0	1	0	1	2
		Light Operation		Without Lever	With Lever	Straight PCB	Right-angled PCB	Left-angled PCB
1 Standard Type	TXJ 1-L 0 0	●		●		●		
	TXJ 1-L 0 1	●		●			●	
	TXJ 1-L 0 2	●		●				●
	TXJ 1-L 1 0		●		●	●		
	TXJ 1-L 1 1		●		●		●	
	TXJ 1-L 1 2		●		●			●

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Main Spec.

Item		Performance Data
Mechanical Life (Cycle)		Over 200,000 (switching frequency: 60 cycles/min., O.T. 100%)
Electrical Life (Cycle at Rating)		Over 10,000 (switching frequency: 20 cycles/min., O.T. 100%)
Insulation Resistance		Over 100 MΩ (insulation resistance tester: 500 VDC)
Withstand Voltage	Between terminals	1,000 VAC, 50/60 Hz, 1 minute
	Between a terminal and non-charged part	1,500 VAC, 50/60 Hz, 1 minute
	Between a charged part and gronded part	1,500 VAC, 50/60 Hz, 1 minute
Vibration Resistance		Complex amplitude 1.5 mm, 10 to 55 Hz (switching: under 1 ms)
Shock Resistance		50 G (switching: under 1 ms)
Contact Resistance		Under 15 mΩ (initial value)
Operating Speed Limit (no load)		0.1 mm/s-0.5 m/s (without lever type)
Maximum Switching Frequency		120 cycles/min., mechanical
Operating Temperature/Humidity		from -25℃ to +80℃ (without condensation) / Less than RH 85%

『Q Type Micro Switch Leading-wire Terminal』

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Rating

Contact Type	OF Value	Rating
	(Max)	
1 Standard Type	90 g	500 mA, 30 VDC

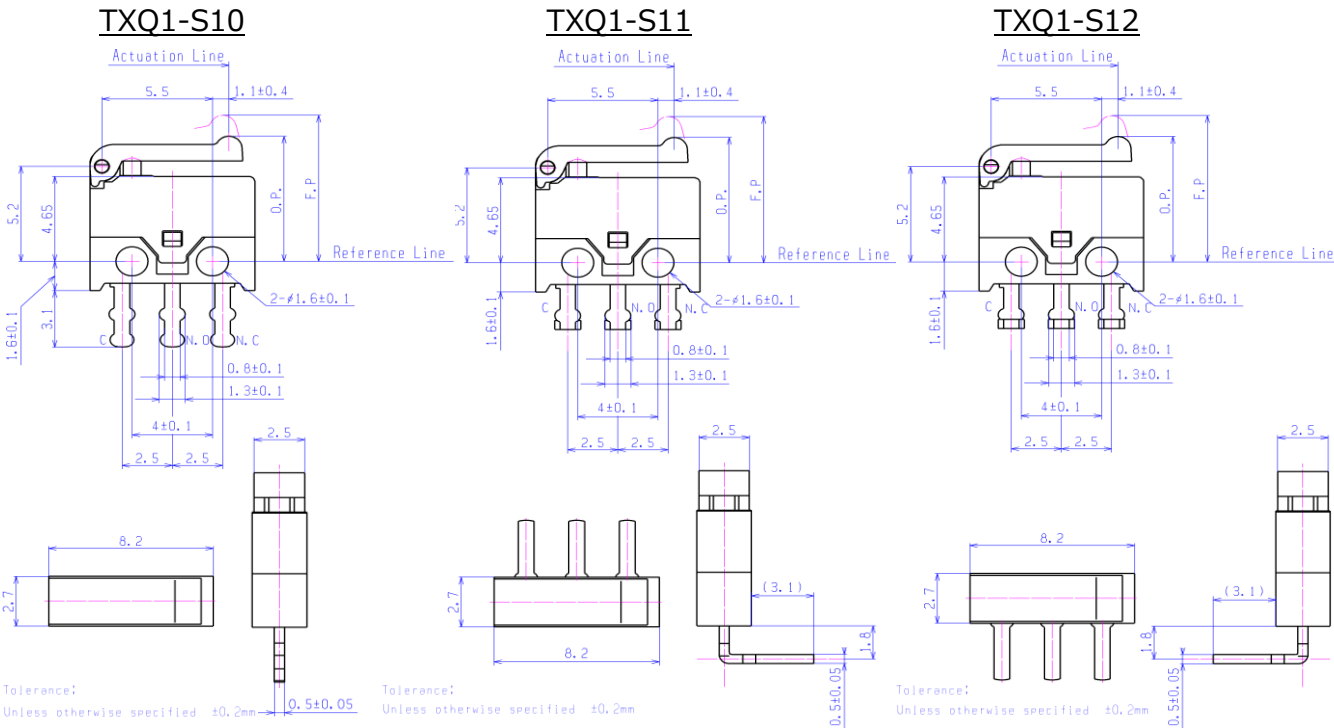
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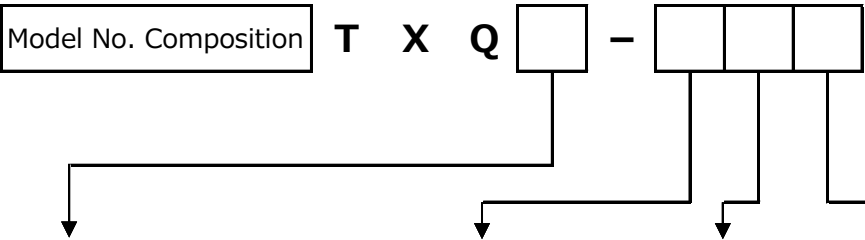
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Note: We cannot produce without lever type now.



TXQ Type	Model No.	OF Value (Max)		Actuator		Terminal Shape		
		S		0	1	0	1	2
		Standard		Without Lever	With Lever	Straight Lead	Right-angled Lead	Left-angled Lead
1 Standard Type	TXQ 1-S 0 0	●		●		●		
	TXQ 1-S 0 1	●		●			●	
	TXQ 1-S 0 2	●		●				●
	TXQ 1-S 1 0		●		●	●		
	TXQ 1-S 1 1		●		●		●	
	TXQ 1-S 1 2		●		●			●

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Main Spec.

Item		Performance Data
Mechanical Life (Cycle)		Over 50,000 (switching frequency: 60 cycles/min., O.T. 100%)
Electrical Life (Cycle at Rating)		Over 30,000 (switching frequency: 20 cycles/min., O.T. 100%)
Insulation Resistance		Over 100 MΩ (insulation resistance tester: 500 VDC)
Withstand Voltage	Between terminals	500 VAC, 50/60 Hz, 1 minute
	Between a terminal and non-charged part	500 VAC, 50/60 Hz, 1 minute
	Between a charged part and gronded part	500 VAC, 50/60 Hz, 1 minute
Vibration Resistance		Complex amplitude 1.5 mm, 10 to 55 Hz (switching: under 1 ms)
Shock Resistance		30 G (switching: under 1 ms)
Contact Resistance		Under 50 mΩ (initial value)
Operating Speed Limit (no load)		0.1 mm/s-0.5 m/s (without lever type)
Maximum Swtching Frequency		60 cycles/min., mechanical
Operating Temperature/Humidity		from -25℃ to +70℃ (without condensation) / Less than RH 85%

『Q Type Micro Switch PCB Terminal』

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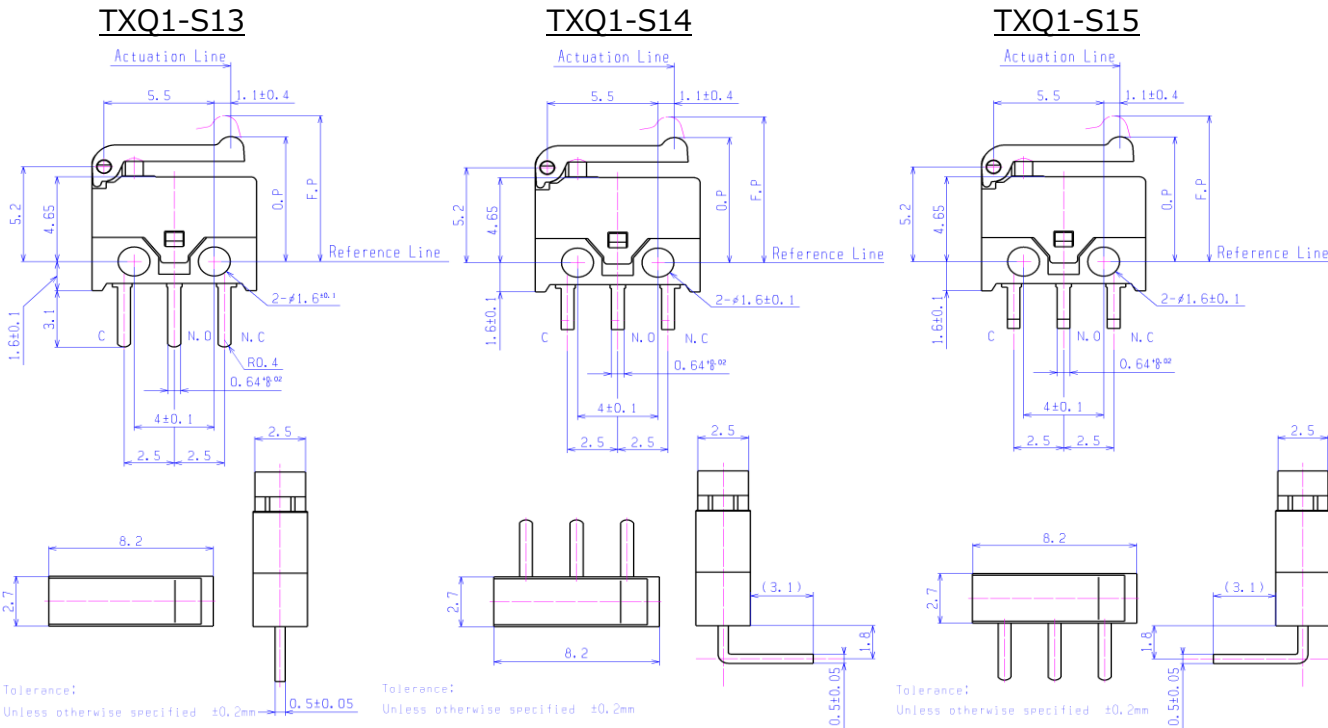
Contact Type	OF Value (Max)	Rating
1 Standard Type	90 g	500 mA, 30 VDC

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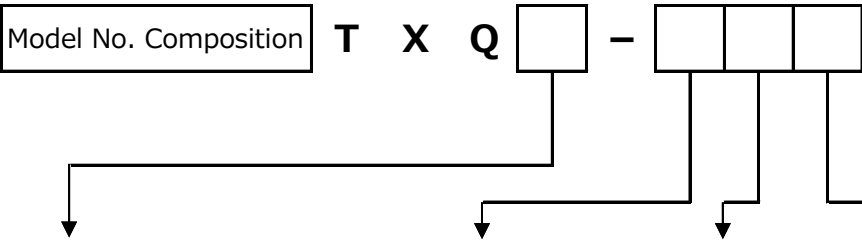


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Note: We cannot produce without lever type now.



TXQ	Model No.	OF Value (Max)		Actuator		Terminal Shape		
Type		S		0	1	3	4	5
Contact Spec.		Standard		Without Lever	With Lever	Straight PCB	Right-angled PCB	Left-angled PCB
		90 g	50 g					
1 Standard Type	TXQ 1-S 0 3	●		●		●		
	TXQ 1-S 0 4	●		●			●	
	TXQ 1-S 0 5	●		●				●
	TXQ 1-S 1 3		●		●	●		
	TXQ 1-S 1 4		●		●		●	
	TXQ 1-S 1 5		●		●			●

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Item		Performance Data
Mechanical Life (Cycle)		Over 50,000 (switching frequency: 60 cycles/min., O.T. 100%)
Electrical Life (Cycle at Rating)		Over 30,000 (switching frequency: 20 cycles/min., O.T. 100%)
Insulation Resistance		Over 100 MΩ (insulation resistance tester: 500 VDC)
Withstand Voltage	Between terminals	500 VAC, 50/60 Hz, 1 minute
	Between a terminal and non-charged part	500 VAC, 50/60 Hz, 1 minute
	Between a charged part and gronded part	500 VAC, 50/60 Hz, 1 minute
Vibration Resistance		Complex amplitude 1.5 mm, 10 to 55 Hz (switching: under 1 ms)
Shock Resistance		30 G (switching: under 1 ms)
Contact Resistance		Under 50 mΩ (initial value)
Operating Speed Limit (no load)		0.1 mm/s-0.5 m/s (without lever type)
Maximum Swtching Frequency		60 cycles/min., mechanical
Operating Temperature/Humidity		from -25℃ to +70℃ (without condensation) / Less than RH 85%