

**Basic parameters of switch**

Mechanical life	1,000,000 cycles min.
Contact resistance	50mΩ max. initial
Insulation resistance	100 MΩ min.
Electrical strength	1500VAC for 55 +/- 5 sec
Casing material	UL 94V-0 Thermoplastic
	X11, X12 Meet IEC 60335-1 Ed 4 Compliant
	X21, X22 Can't Meet IEC 60335-1 Ed 4 Compliant

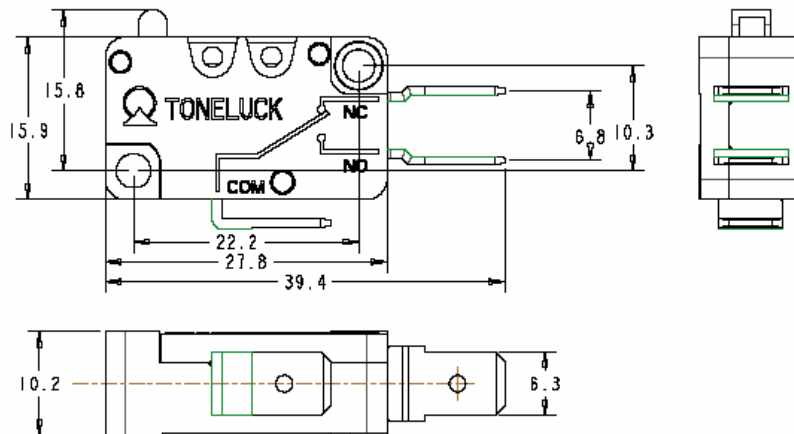


Model	Temperature	Rated load	Electrical life(UL)	(EN)	(CQC)
X11	40T125	6(3)A 125/250VAC		50,000 cycles	50,000 cycles
		0.1A 125/250VAC		50,000 cycles	50,000 cycles
		0.1A 125/250Vac	6,000 cycles		
		6A 125/250Vac	6,000 cycles		
X21	40T125	1/6HP 125Vac	6,000 cycles		
		1/3HP 250Vac	6,000 cycles		
X12	40T125	16(4)A 125/250VAC	6,000 cycles	50,000 cycles	50,000 cycles
		16.1A 125/250Vac	6,000 cycles		
		1/2HP 125Vac	6,000 cycles		
		3/4HP 250Vac	6,000 cycles		
		0.2A 250VDC	6,000 cycles		
X22		0.4A125VDC	6,000 cycles		

**Switch Selection**

	X11	A	M	-	1	N	00	AG	-	01
<b>Product Type</b> X11 X12 X21 X22										
<b>Circuit</b> A= SPDT B= SPST-NC C= SPST-NO										
<b>Circuit</b> L, 100+/-25 M,160+/-30										
<b>Quick connect terminal</b>										
01= 6.3x0.8 Terminal 02= 4.8x0.5 Terminal Lever Position	03= Solder Terminal	04= Screw Terminal	05= PCB Terminal-Right	06= PCB Terminal-Left	07= 4.8x0.8 Terminal	08= 6.3x0.8 RAST-5 Terminal				
A= Standard Position B= High Gear Position	N= Pin Plunger, No External Lever									
<b>Quick connect terminal</b> 01, 02, 03 ... 00 = No Lever (Ref. to E4-7)										
<b>Contact Type</b> AG = Serrated Silver Contact										
<b>Version</b> 01 = Standard										

**Switch installation dimensions and precautions**



● **Correct use of the switch and precautions**

**Correct use of switches**

The rated load value indicated above refers to the life that can be achieved when using actual equipment under standard test conditions (ambient temperature: 5~35°C, relative humidity: 45~85%RH, atmospheric pressure: 86~106KPa). Please confirm that not only the load conditions are the same when using, but also the conditions of the environment and the state of use must be the same;

**Select the switch correctly**

Please select the appropriate switch according to the use environment and load conditions;  
 Please select the appropriate switch in the catalog according to the rated current, voltage, operating force, return force, terminal type, and lever type;  
 Using a smaller current switch instead of a larger current switch will result in insufficient switch life and serious damage to electrical equipment; using a larger current switch instead of a smaller current switch will affect the contact reliability of the switch, especially in digital circuits, which will cause confusion in circuit logic.

**Correct installation**

When tightening the switch, it is recommended to use a graduated screwdriver with torque and tighten with a torque of 4~6Kg.cm (the screw is M3 specification). Too much torque will cause the shell to deform or be damaged, the switch performance will be reduced, and in severe cases, the switch function will fail;

**Storage of the switch**

Please avoid polluted gas, places where organic gas is generated, dust, humid environment, etc. The switch shell is not sealed, and the above environment may cause the switch contact surface to be contaminated or corroded, and the switch performance will be reduced;