

Basic parameters of switch

Mechanical life 1,000,000 cycles min. Contact resistance 50m  $\Omega$  max. initial Insulation resistance 100 MΩ min. Electrical strength 1500VAC for 55 +/- 5 sec Casing material UL 94V-0 Thermoplastic IEC 60335-1 Ed 4 Compliant

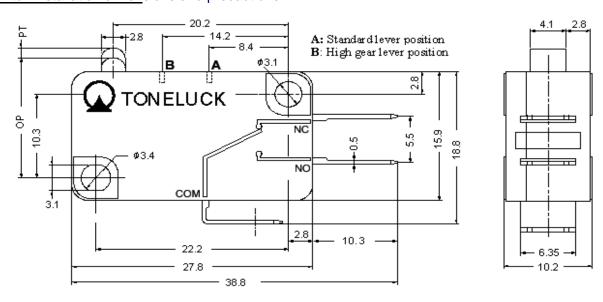


Model	Temperature	Rated load	Electrical life(UL)	(EN)	(CQC)		
V52	40T125	16(4)A 125/250VAC		50,000 cycles	50,000 cycles	•	
	•	16A, 125/250V	6,000 cycles				
		1/2HP 125V	6,000 cycles				
		3/4HP, 250V	6,000 cycles				
		0.4 A, 125 V DC	6,000 cycles				
		0.2 A, 250 V DC	6,000 cycles				
		10.1A, 125VL	6,000 cycles +6,000 cy	ycles			
V53	40T85	22A 125/250VAC	6,000 cycles	-	-		
		1HP 125VAC; 2HP 250VAC	6,000 cycles	-	-		
		15.1A 125/250VAC	6,000 cycles	-	-		
		12A, 125VL	6,000 cycles +6,000 cy	vcles -	-		
Swi	tch Selection	•	· · · · · · · · · · · · · · · · · · ·	,			
				V5	1 A M - A	A 00 AG	- 01
Produc	t Type						
V52							
Circuit							
A= SPD1							
B= SPST	-NC C= SPST-NO						
0	i a m a l fa ma a						
Opera	tional force						
K I M I	N, P (Ref. to E4-7)						
K, L, IVI, I	N, P (Rel. 10 E4-7)						
Quick	connect termina	al					
	(Ref. to E4-7)	ui				¹	
71, 5, 6	(1101.10 217)						
Lever I	Position						
	lard Position	N= Pin Plunger, No Exter	nal Lever			<del>'</del>	
B= High	Gear Position	<b>3</b> ,					
Levera	ige Type						
01, 02, 0							
00 = No I		-7)					
Contac	ct Type						
AG = Se	rrated Silver Contac	t					
Version							
01 = Star	ndard						-

www.toneluckswitches.com Page 1



## 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:  $5\sim35^{\circ}$ C, relative humidity:  $45\sim85^{\circ}$ RH, atmospheric pressure:  $86\sim106$ KPa). 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 torque-grade screwdriver and tighten it 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;

Please keep the switch away from polluted gas, places where organic gas is produced, 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;

www.toneluckswitches.com Page 2