

## ● Switch Basic Parameters

Rated load	Rated load	Certificatio	electric life
	5A 125 / 250VAC;2A 30VDC	UL	6000 cycles
	5(2.5)A 125/250VAC;2A 30VDC	ENEC	50000cycles
	5(2.5)A 125/250VAC;2A 30VDC	CQC	50000cycles
Mechanical life	500,000 cycles min.		
Ambient temperature	-40°C ~ +125°C		
Insulation resistance	100 MΩ min.		
Electrical strength	1000VAC for 60 +/- 5 sec		
Shell material	UL 94V0 Thermosetting Plastic		
Dot material	silver alloy		



## ● Switch Selection

S12 - A G F2 01 - D 01

### Product Type

S12: falling short (of expectations) IEC 60335-1 Ed 4  
 S13: in line with IEC 60335-1 Ed 4

### Circuits

A= SPDT  
 B= SPST-NC C= SPST-NO

### Terminal Type

A= Solder Terminal  
 D= Quick Connect Terminal  
 G= Quick Connect Terminal(90 deg bent)  
 P= PCB Terminal  
 Z= Solder Terminal(90o bent)

### Maneuverability

F1= 35 ~ 70gf F2= 70 ~ 130gf F3= 220 gf  
 Max

### Type of leverage

00= Pin plunger, no external lever  
 Others: Ref. To lever summary

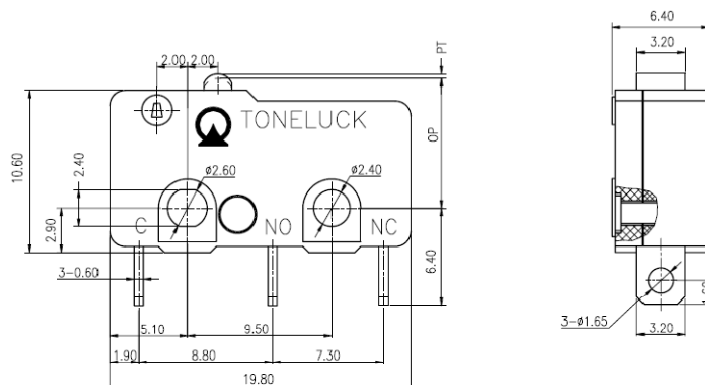
### Mounting hole size

D= Mounting Hole Size is 2.2mm diameter  
 S= Mounting Hole Size is 2.4mm diameter

### releases

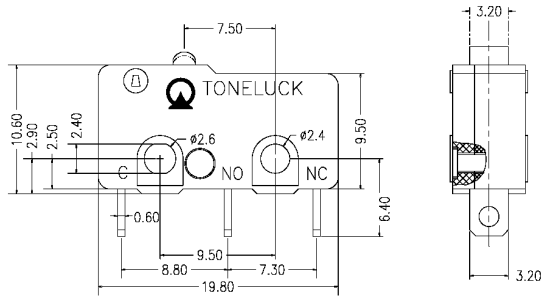
01 = Standard

## ● Switch Installation Dimensions and Precautions

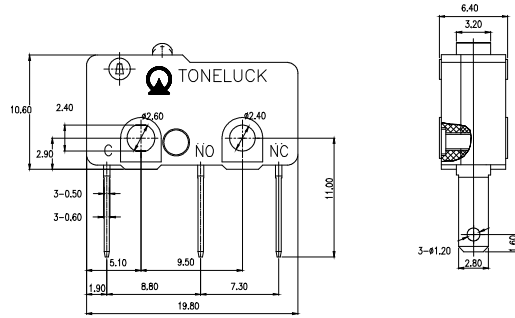


## ● Switch Terminal Type

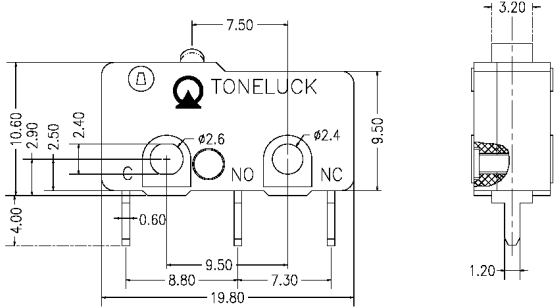
Type A = Solder Terminal



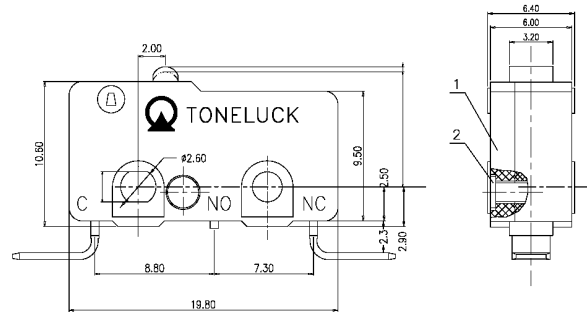
Type D = Quick Connect Terminal



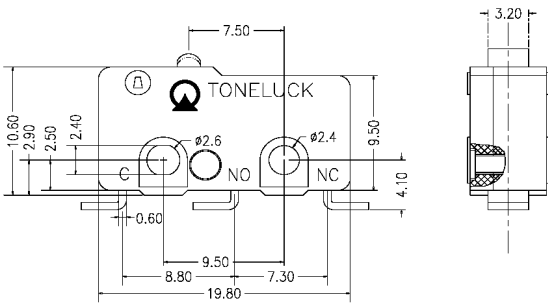
Type P = PCB Terminal



Type G = Quick Connect Terminal (90o Bent)

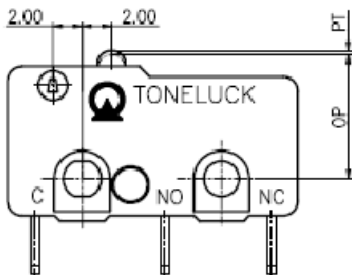


Type Z = Solder Terminal (90o bent)



## ● Switch lever type

Lever Type = 00



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

The rated load values indicated above refer to the life expectancy of the actual equipment under standard test conditions (ambient temperature: 5~35 °C relative humidity: 45~85%RH atmospheric pressure: 86~106KPa). Atmospheric pressure: 86~106KPa), and the life of the actual device. Please make sure that not only the load conditions but also the environment and operating conditions are the same when selecting the switch.

Select the appropriate switch according to the operating environment and load conditions. Select the appropriate switch according to the rated current, voltage, and power consumption. Voltage Operating force Response force Terminal type Select the appropriate switch from the catalog;

The use of smaller current switches instead of larger current switches can lead to inadequate switch life and serious damage to electrical equipment; the use of larger current switches instead of smaller current switches can affect the reliability of switch contacts, especially in digital circuits, and can lead to circuit logic confusion.

**Correct installation**

When fastening the switch, it is recommended to use a graduated screwdriver with torque of 2~4Kg.cm torque (screws are M2.3 specification) for fastening. Too much torque will lead to deformation or damage of the housing, degradation of the switch performance, and in serious cases, failure of the switch function;

**Storage of the switch**

Please avoid the place where polluted gases, organic gases, dust, etc. are generated. Avoid places where organic gases are generated, dust, humidity, etc. Humid environment, etc. The switch shell is not sealed, the above environment may lead to contamination or corrosion of the contact surface of the switch, and the performance of the switch will be reduced;