MQS-2 microswitch

TONELUCK

Switch basic

Mechanical life	1,000,000 cycles min.
Contact resistance	50mΩ max. initial
Insulation resistance	100 MΩ min.
Electrical strength	1000VAC for 60+/- 5 sec
Casing material	UL 94V-0 Thermoplastic

Model	Temperature	Rated load	Electrical life(UL)	Electrical life(EN)	Electrical life(CQC)
MQS-216	[40 T 85]	16 A 125/250VAC	6,000 cycles		
		1/2HP 125VAC	6,000 cycles		
		3/4HP 250VAC	6,000 cycles		
		10.1A 125VL (Tungsten)	6,000 cycles +6,000 cycles		
		16（4） A 125/250VAC		50,000 cycles	50,000 cycles
MQS-216T	[40 T 125]	16A 125/250VAC	6,000 cycles		
		1/2HP 125VAC	6,000 cycles		
		3/4HP 250VAC	6,000 cycles		
		10.1A 125VL (Tungsten)	6,000 cycles +6,000 cycles		
		16（4）A 125/250VAC		50,000 cycles	50,000 cycles
MQS-210H	[40 T 150]	10A 125/250VL	100,000	-	-
		1/2HP 125/250VAC	100,000	-	-
		1A 30VDC	100,000	-	-

Switch Selection

MQS-210H	A	01	A	A	K	-	01

Product Type

MQS-216/MQS-216T/MQS-210H

Lever Position

A= Standard Position

B= High Gear Position

Leverage Type

01, 02, 03 … 00 = No Lever

Terminal Type

A, B, C … (*Ref. to table)*

Circuit

A= SPDT

B= SPST-NC

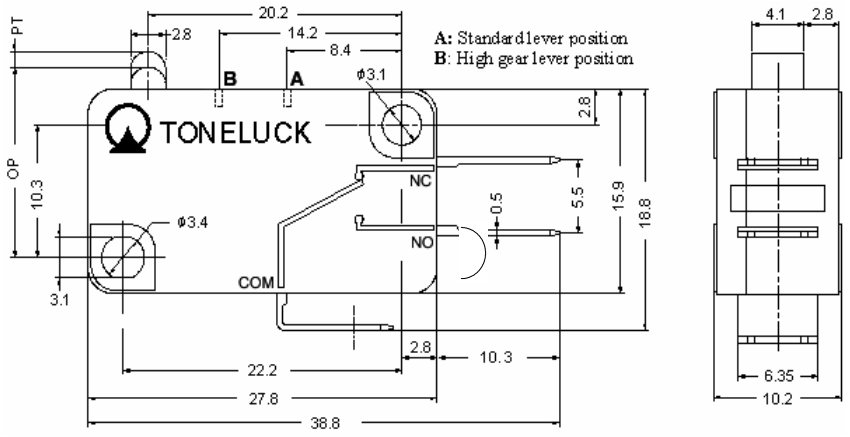
C= SPST-NO

Type	Operating Force	RF
K	55 +/- 15gf	10 ~ 50gf
S	100gf Max	20gf Min
L	100 +/- 25gf	20 ~ 90gf
M	160 +/- 30gf	50 ~ 140gf
N	200 +/- 30gf	55 ~ 160gf
P	350 +/- 50gf	80 ~ 300gf

Version

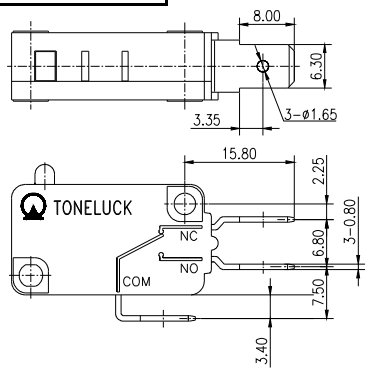
01 = Standard

Note: The appearance and installation dimensions are consistent with the E series switches (industry standard) as shown below:

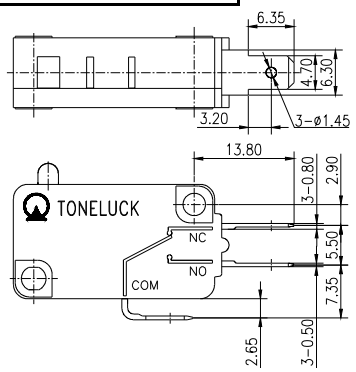


●Switch terminal type

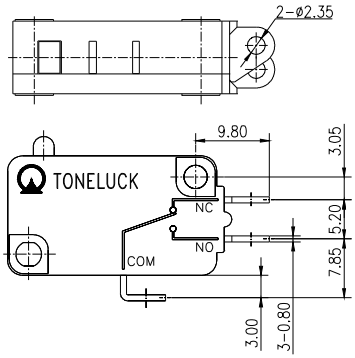
Type A: Quick connect Terminal



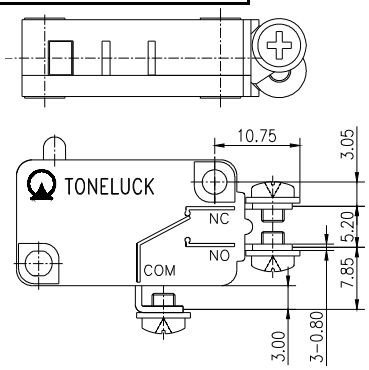
Type B: Quick connect Terminal



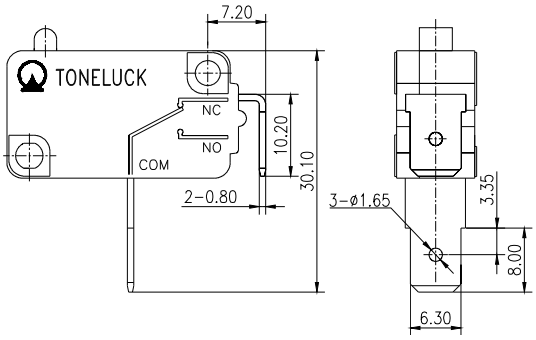
Type C : Solder Terminal



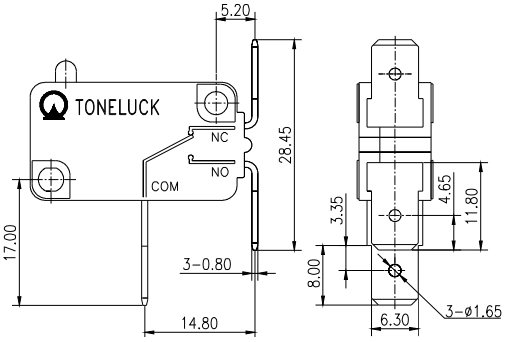
Type D: Screw Terminal



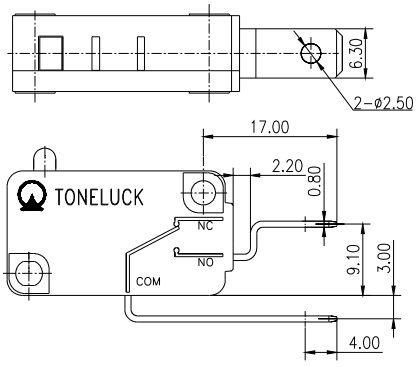
Type E: Quick connect Terminal



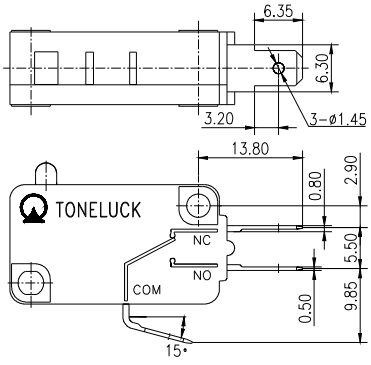
Type F: Quick connect Terminal



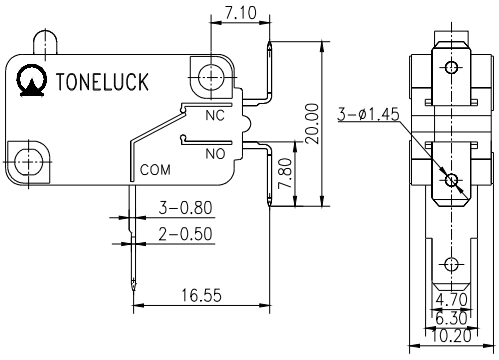
Type G: Quick connect Terminal



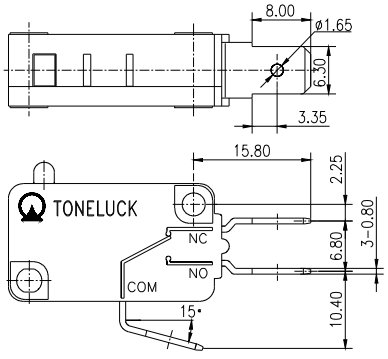
Type H: Quick connect Terminal



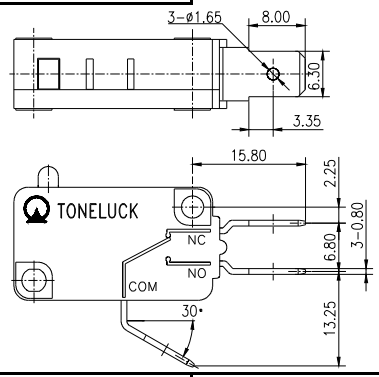
Type I: Quick connect Terminal



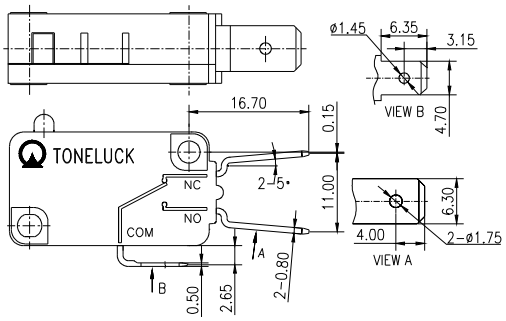
Type J: Quick connect Terminal



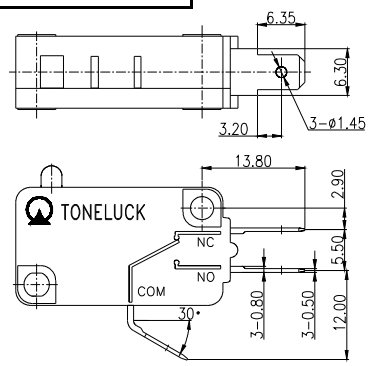
Type K: Quick connect Terminal



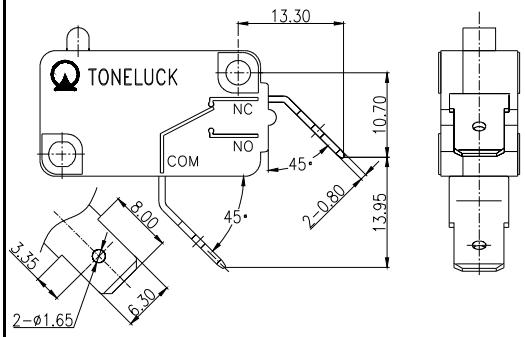
Type L: Quick connect Terminal



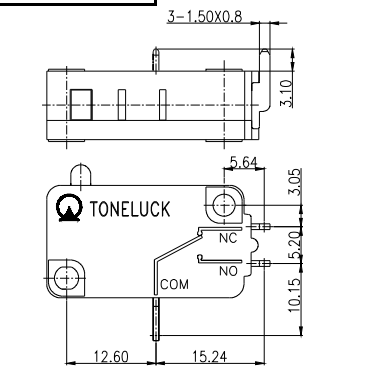
Type M: Quick connect Terminal



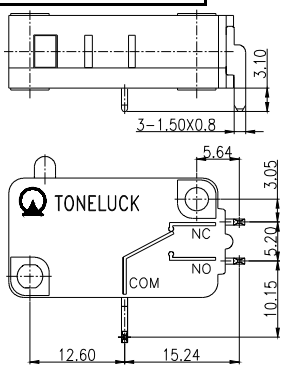
Type N: Quick connect Terminal



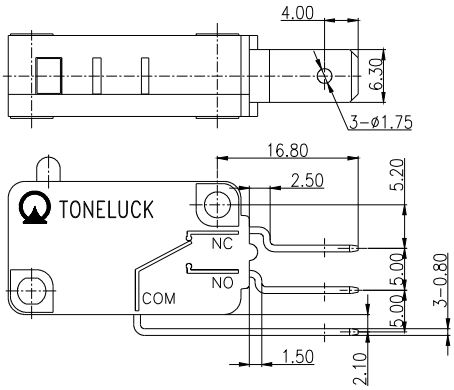
Type P: PCB Terminal-Right



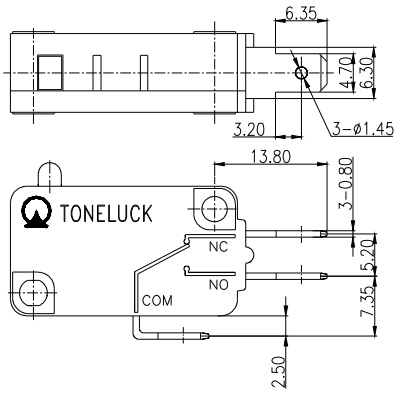
Type Q: PCB Terminal-Right



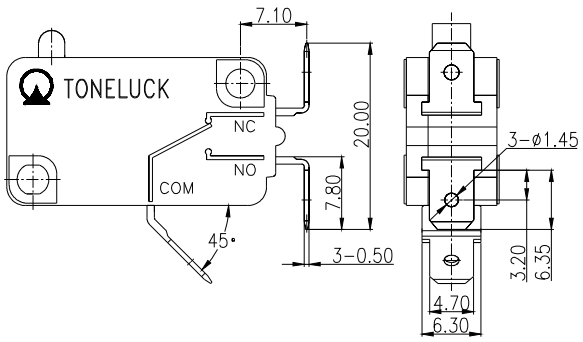
Type R: Quick connect Terminal



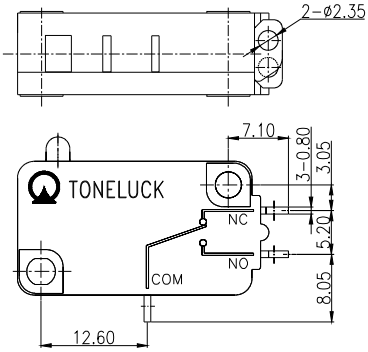
Type S: Quick connect Terminal



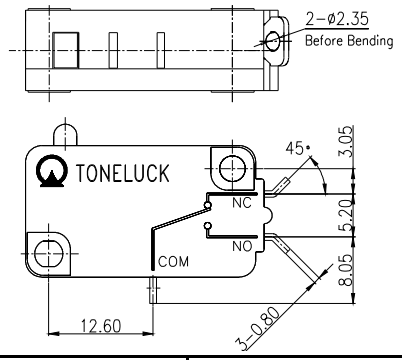
Type T: Quick connect Terminal



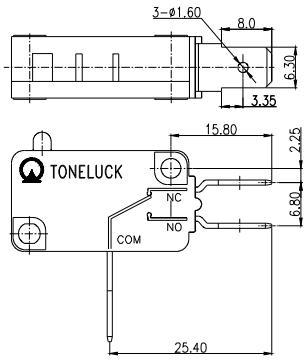
Type U: Quick connect Terminal



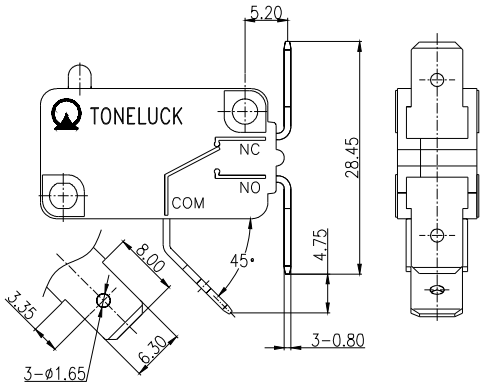
Type V: Quick connect Terminal



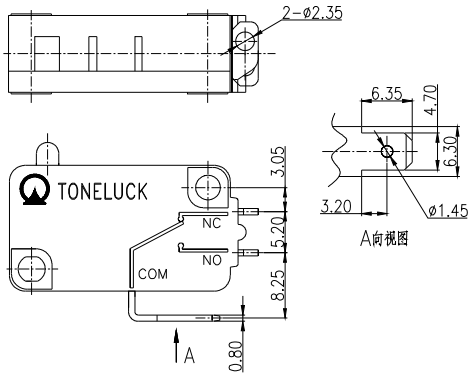
Type W: Quick connect Terminal



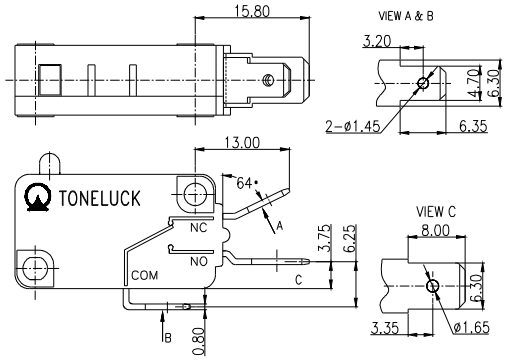
Type X: Quick connect Terminal



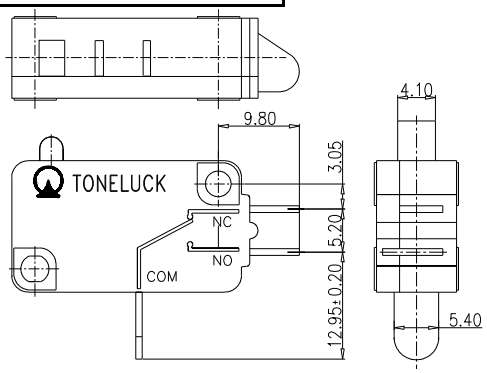
Type Y: Quick connect Terminal



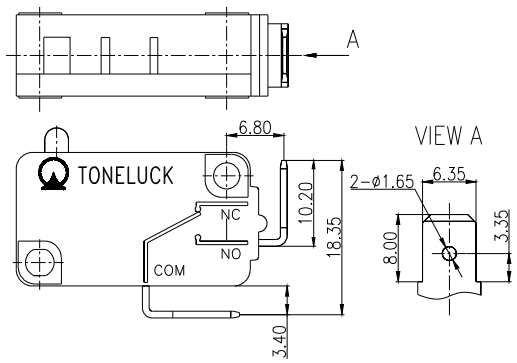
Type Z: Quick connect Terminal



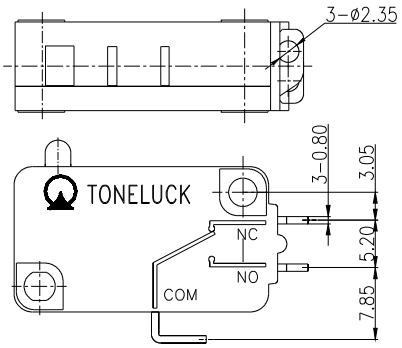
Type O: Quick connect Terminal



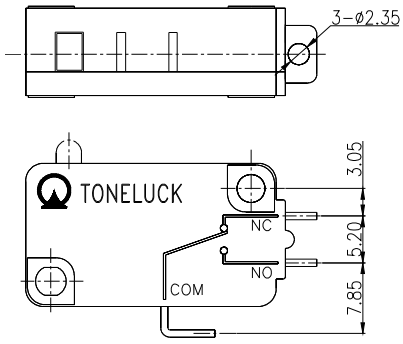
Type 01: Quick connect Terminal



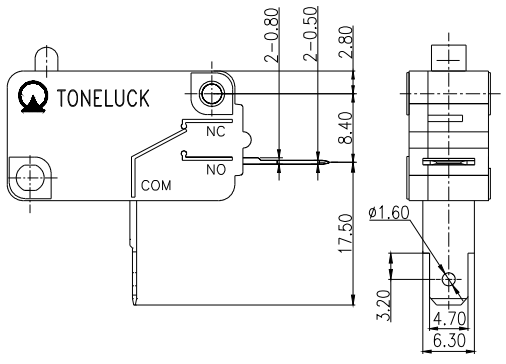
Type 02: Quick connect Terminal



Type 03: Quick connect Terminal

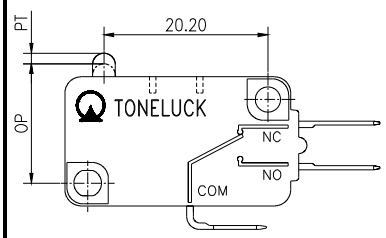


Type 04: Quick connect Terminal

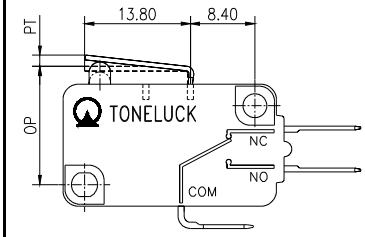


●Switch lever type (customizable)

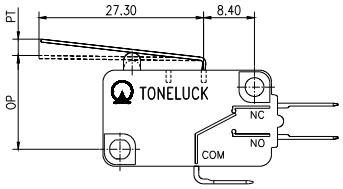
Lever Type= 00



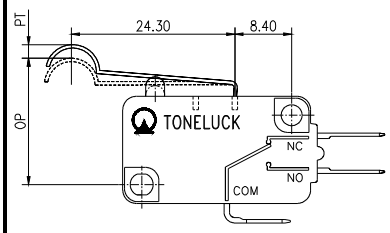
Lever Type= 01



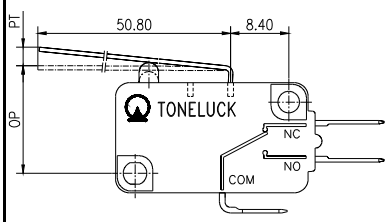
Lever Type= 02



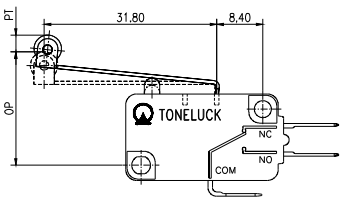
Lever Type= 03



Lever Type= 04



Lever Type= 05



● 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℃ 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 environmental and usage conditions 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 switch contact reliability, especially in digital circuits, which will cause circuit logic confusion.

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 damage, the switch performance will decrease, and in severe cases, the switch function will fail;

Storage of the switch

Please avoid polluted gases. Places where organic gas is generated, dusty, humid environments, etc. The switch housing is not sealed. The above environments may cause the switch contact surface to be contaminated or corroded, and the switch performance will be reduced;