

Mechanical Characteristics:

Item	Criteria
Operating Force	400gf Max. (4N Max.)
Free Position	11.35mm Max.
Operation Position(NC)	9.65±0.45mm △
Operation Position(NO)	9.15±0.45mm △

Electrical Characteristics:

Ratings	Datas(resistive load)	Operating life with load
	100mA 30VDC	50,000 Cycles Min
	10mA 12~24VDC	300,000 Cycles Min
Contact Resistance:	500mΩ Max.	
Insulation Resistance:	100MΩ Min.	
Dielectric Voltage	500VAC(50~60HZ) - between non-connected terminals parts for one minute	
	500VAC(50~60HZ) -between terminals and dead parts for one minute	

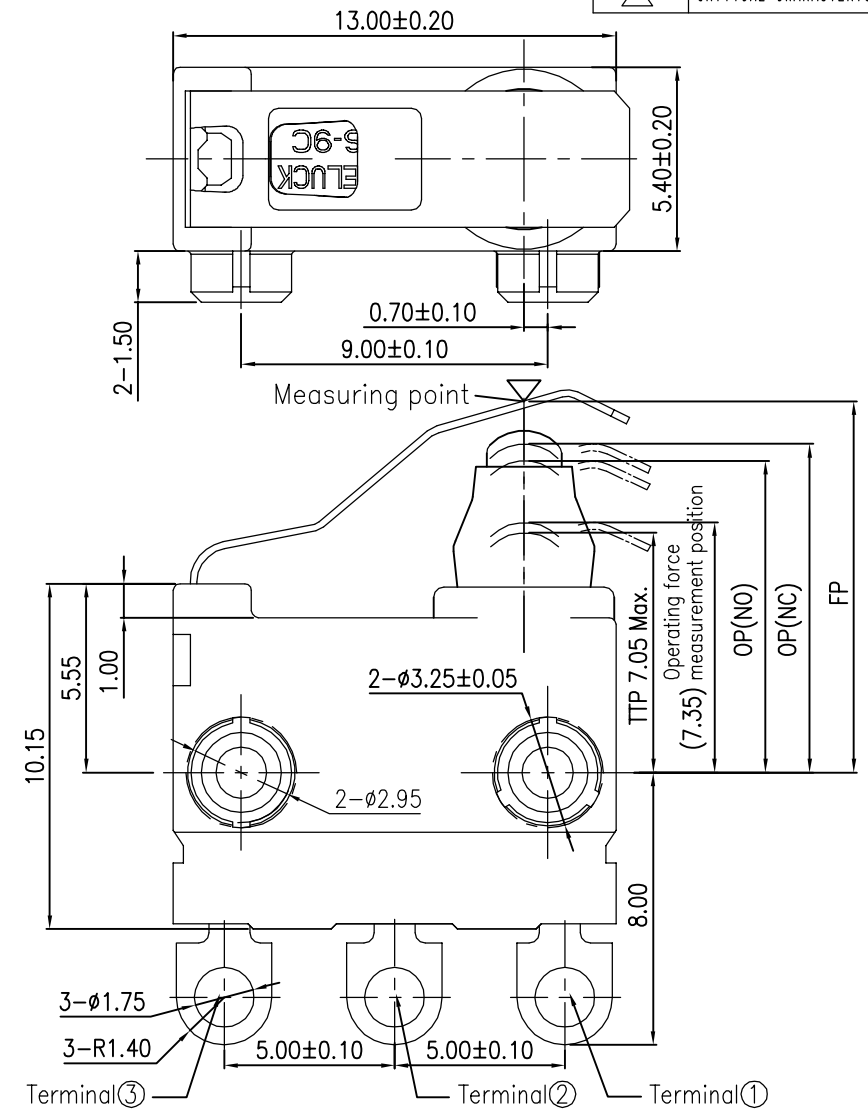
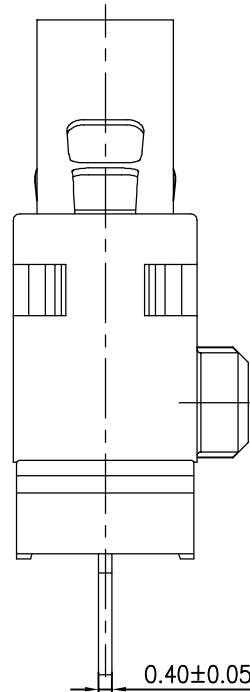
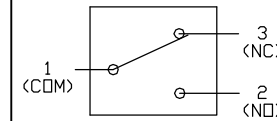
Other Spec. :

Protection Class:	IP67(Except terminals)
Operating life without load	500,000 cycles(Min.)
Operating Temperature Range:	-40℃~+85℃

Material List

Seal Rubber	Silicon Rubber
Switch Housing	Thermoplastics
Switch Base	Thermoplastics
Terminals	Copper Alloy, Silver plated
Actuator	Thermoplastics
Slide Contact	Copper Alloy

Circuit Diagram



NOT FOR MASS PRODUCTION

REV.	DATE	MODIFICATION	ECN NO.	新增	PRIOR VERSION
Project Ref:	MQS-9C MICRO SWITCH		Tolerance Unless Otherwise Specified		
Part No:	MQS-9C1DD01-01		~3	>3~10	>10~30 >30~80 >80~180 Angle
Drawing No:	- - -	Eng Ver	A0.X1	±0.20 ±0.30 ±0.40 ±0.60 ±0.80	±3°
Drafted by:	Jay Luo	Date:	2019-12-05	Unit: mm	Size: A4 Scale:
Checked by:		Date:		THIRD ANGLE	TONELUCK Switches & Control Solutions
Approved by:	Norris Xie	Date:	2019-12-05		