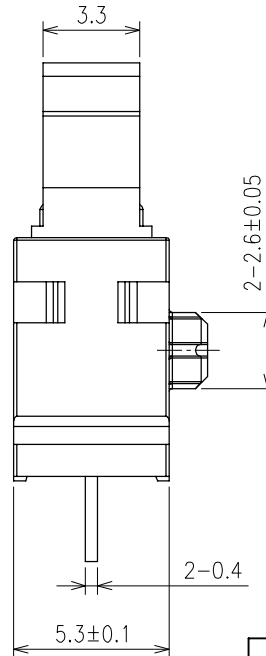
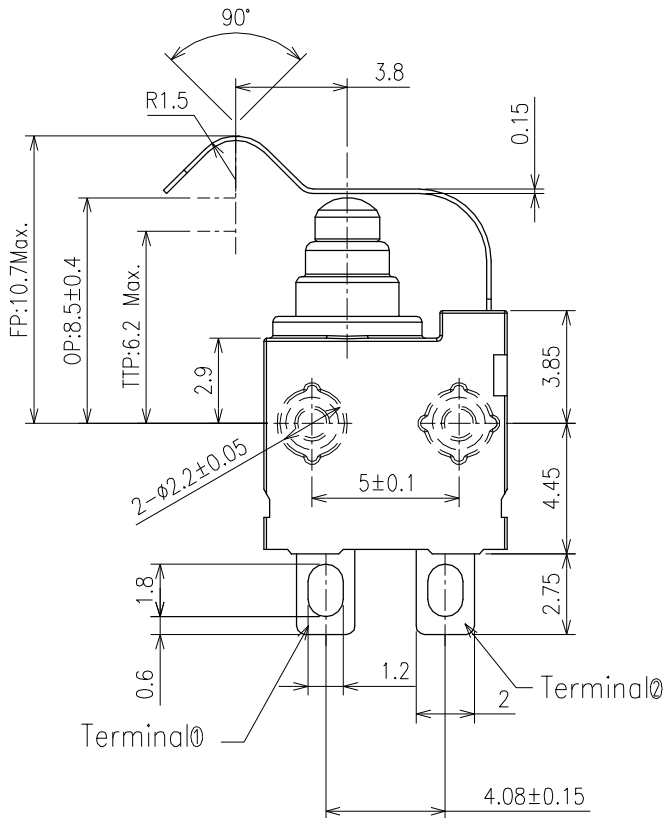


Mechanical Characteristics(Initial):	
Item	Criteria
Operating Force(OF)	180gf Max.
Free Position(FP)	10.7mm Max.
Operation Position(OP)	8.5±0.4mm △



Electrical Characteristics:		
Ratings	Datas(resistive load)	Operating life with load
	5VDC 1mA	300,000 Cycles Min.
	12VDC 50mA	200,000 Cycles Min.
	16VDC 50mA	150,000 Cycles Min.
Contact Resistance:	500mΩ Max. (Initial)	
Insulation Resistance:	100MΩ Min. 500VDC (Initial)	

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

Material List	
Seal Rubber	Silicon Rubber(Green)
Switch Housing	Thermoplastics PBT
Switch Base	Thermoplastics PBT
Terminals	Copper Alloy, Silver plated
Actuator	Thermoplastics POM
Slide Contact	Copper Alloy
Spring	Stainless Steel

Note: Refer to specification MQS-9B1CD04-01-SPC.001

MASS PRODUCTION RELEASE

REV.	DATE	MODIFICATION	ECN NO.	PRIOR VERSION
Project Ref:		MQS-9B Series Micro Switch	Tolerance Unless Otherwise Specified	
Part No:		MQS-9B1CD04-01	~3	>3~10 >10~30 >30~80 >80~180 Angle
Drawing No:		--- Eng Ver A1	±0.20 ±0.30	±0.40 ±0.60 ±0.80 ±3°
Drafted by:		Moon Lin Date: 2021-05-17	Unit: mm	Size: A4 Scale: 4:1
Checked by:		Jerry Date: 2021-05-17	THIRD ANGLE	 <b>TONELUCK</b> Switches & Control Solutions
Approved by:		Norris Xie Date: 2021-05-17		