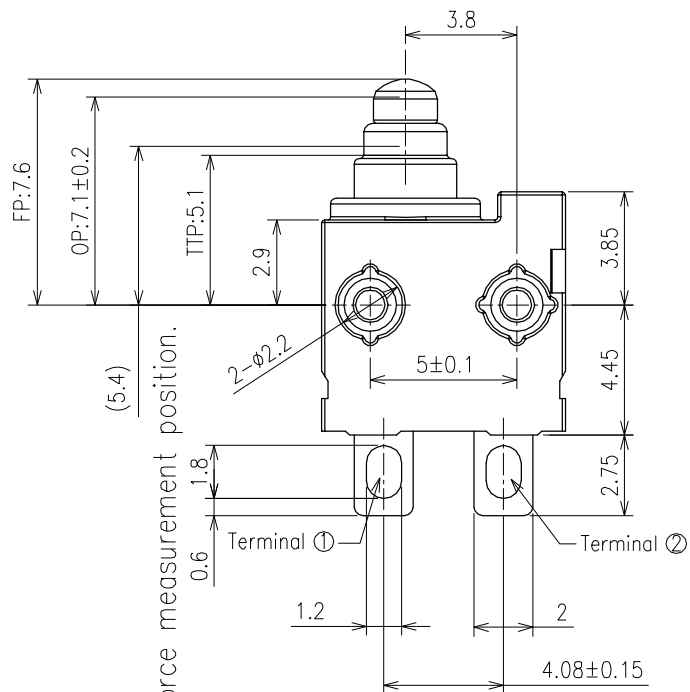
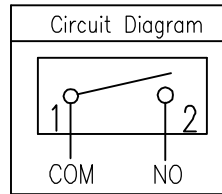
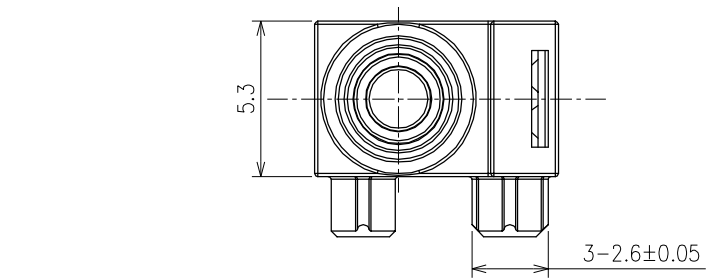


Mechanical Characteristics(Initial):	
Item	Criteria
Operating Force(OF)	180gf Max.
Free Position(FP)	7.6mm
Operation Position(OP)	7.1±0.2mm △

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)
Dielectric strength: (Initial)	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(Actuating side)
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-9B1BD00-01-SPC.001

REV.	DATE	MODIFICATION	ECN NO.	PRIOR VERSION
Project Ref:	MQS-9B Series Micro Switch		Tolerance Unless Otherwise Specified	
Part No:	MQS-9B1BD00-01		~3	>3~10
Drawing No:	- - -	Eng Ver	A1	±0.20 ±0.30 ±0.40 ±0.60 ±0.80 ±3°
Drafted by:	Moon Lin	Date:	2020-09-12	Unit: mm Size: A4 Scale: 4:1
Checked by:	Jerry	Date:	2020-09-12	THIRD ANGLE
Approved by:	Norris Xie	Date:	2020-09-12	TONELUCK Switches & Control Solutions

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