



Item	Criteria
Operating Force(OF)	100±50gf
Free Position(FP)	7.6mm
Operation Position(OP)	7.1±0.2mm △
Releasing Force(RF)	30gf Min.

Ratings	Datas(resistive load)	Opprating life with load
	5VDC 1mA	
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:	500VAC(50-60HZ) - between non-connected terminals parts for one minute	
	500VAC(50-60HZ) -between terminals and dead parts for one minute	

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

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

MASS PRODUCTION RELEASE

REV.	DATE	MODIFICATION	ECN NO.	PRIOR VERSION
Project Ref:	MQS-9B Series Micro Switch		Tolerance Unless Otherwise Specified	
Part No:	MQS-9B1AR00-B1		-3	>3-10 >10-30 >30-80 >80-180 >180 Angle
Drawing No:	---	Eng Ver A1	±0.20 ±0.30 ±0.40 ±0.60 ±0.80	±3°
Drafted by:	Moon Lin	Date: 2020-07-13	Unit: mm	Size: A4 Scale: 4:1
Checked by:	Jerry	Date: 2020-07-13	THIRD ANGLE	TONELUCK Switches & Control Solutions
Approved by:	Norris Xie	Date: 2020-07-13		