

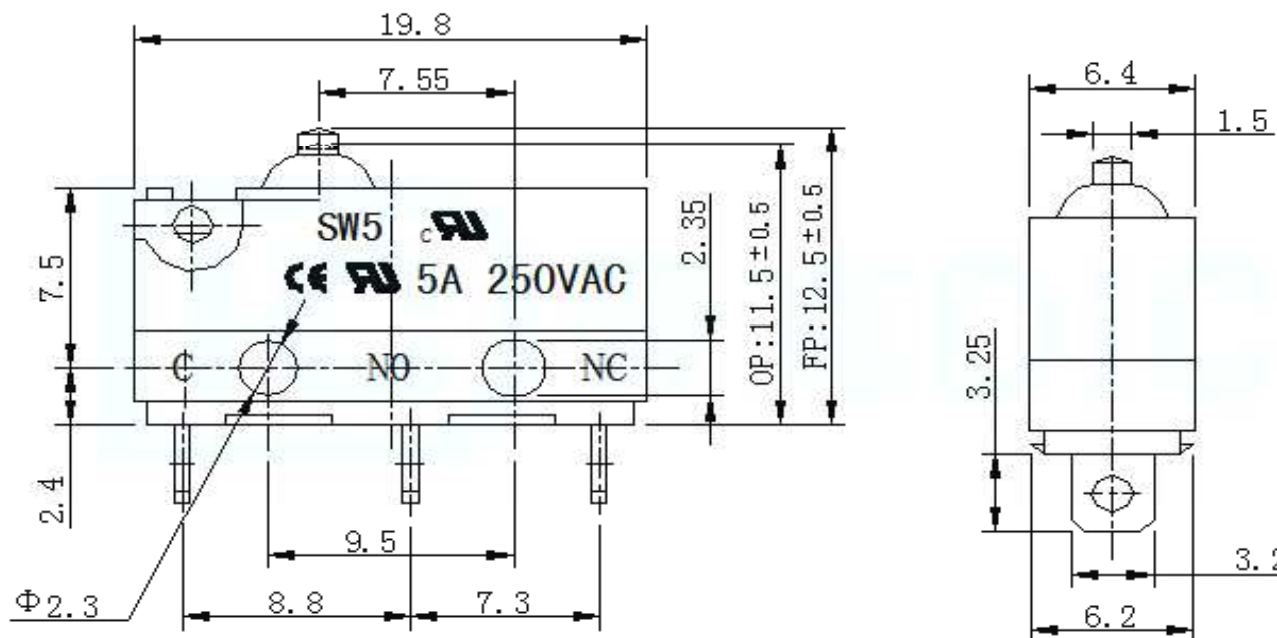
EDCON-COMPONENTS



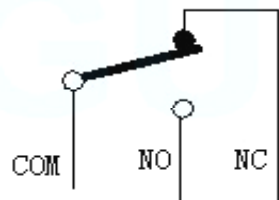
SPECIFICATION:

Rated Voltage:	250VAC
Rated Current:	5A
Contact Resistance:	≤ 100mΩ / DC500V
Operating Force:	115gr +/- 30gr
Resilience:	RF
Free Position:(FP)	12,5 ± 0,5mm
Action Position:(OP)	11,5 ± 0,5mm
Return Position (RP)	
Stroke:	PT
Sensitivity:	BT
Mechanical:	
Mechanical Life:	1.000.000 cycles, 2,5 Welding Process Manual Welding
Electrical Life:	10.000 cycles
Applicable Temperature:	.-25°C + 85°C
Insulation Resistance:	≥100MΩ DC500V Applicable Humidity <85% RH
Withstanding Voltage:	AC 1000V 1 minute

Drawing / Dimension (mm)



SCHEMATIC



Tolerances unless otherwise specified (mm)				
x	x.x	x.xx	x.xxx	Angle
±	±	±	±	±3°

THT Waterproof Mikro SWITCH 19,8x10,2mm	
Part No.:	Q19013
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.11.2021
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5

EDCON-COMPONENTS



Technical Description

The test sample is installed in the dustproof box at the normal use position, and the test is carried out according to the second type of enclosure in GB4208-1993 (the pressure of the switch cavity is the same as the surrounding atmospheric pressure); the test should last for 8 hours, during which the switch should be turned on for 1 hour. Rated current and power-off for 1h; after the test, under the condition of ambient air temperature ($25\pm 10^{\circ}\text{C}$), turn on the switch with rated current 5A 250VAC for temperature rise test

Take out the sample after 240h aging test in a heating box with an ambient temperature of ($70\pm 2^{\circ}\text{C}$) immediately, and place it in a temperature of ($25\pm 10^{\circ}\text{C}$) for at least 16h before conducting a waterproof test; clean water and test used in the test When the sample temperature difference is not more than 5K (no electricity during the test).

GB4208-1993/IEC60529-1989 "Enclosure Protection Grade" GB15092.1-2003/IEC61058-1:1996 "Appliance Switch Part 1: General Requirements" Environmental conditions: temperature range 15°C - 35°C ; relative humidity 25%-75%.

After the test, the switch should meet the following requirements: the sealing rubber cap and the switch body must not be deformed, damaged, hardened and other aging phenomena; there should be no water marks on the plastic parts of the switch that reduce the creepage distance and electrical clearance below the standard value; between the terminals And the terminal and the outer surface of the shell withstand voltage strength $\geq 1000\text{V}$

After the test, the switch should meet:

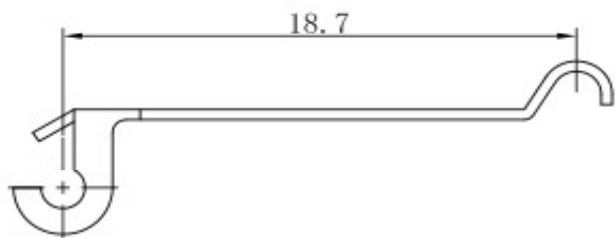
1. The action is normal;
2. Temperature rise test $\leq 50\text{K}$;
3. Withstand voltage strength between the terminals and between the terminals and the outer surface of the shell $\geq 1000\text{V}$

					Tolerances unless otherwise specified (mm)					THT Waterproof Mikro SWITCH 19,8x10,2mm
					x	x.x	x.xx	x.xxx	Angle	
					±	±	±	±	±3°	Part No.: Q19013
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.11.2021	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	2 from 5		

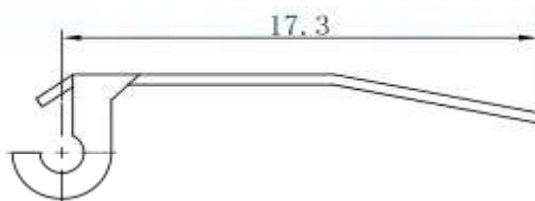
EDCON-COMPONENTS



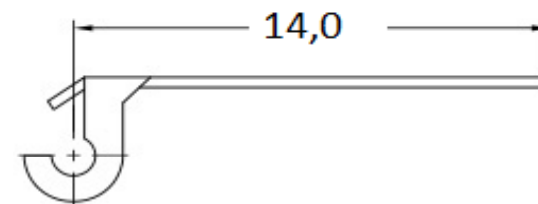
Lever Style (Ax)



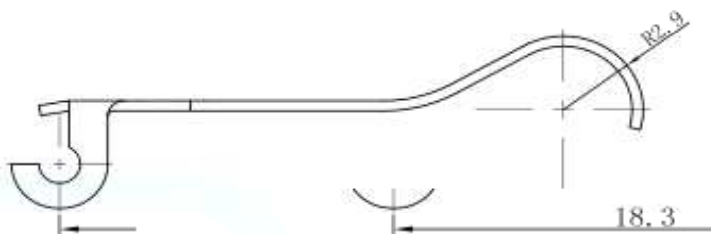
Order Code = A1



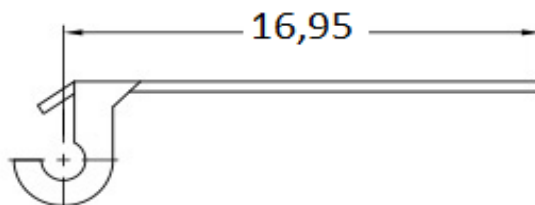
Order Code = A4



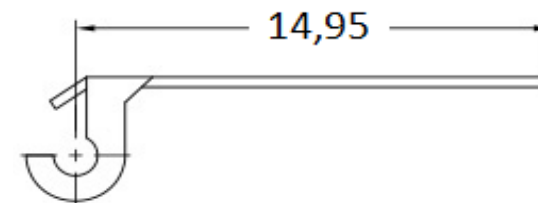
Order Code = A7



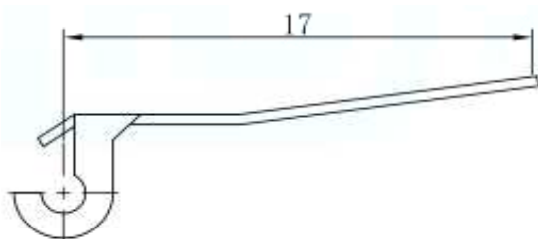
Order Code = A2



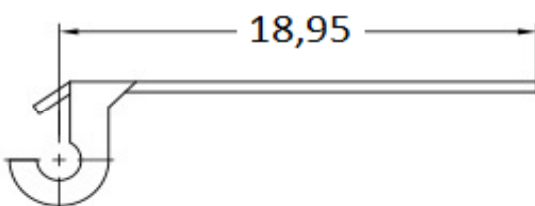
Order Code = A5



Order Code = A8



Order Code = A3



Order Code = A6

Order Code	Operating Force (gf)		
	OF		
B0	115		
B1	150		
B2	175		
B3	190		
B4	220		
B5	250		

THT Waterproof Mikro SWITCH 19,8x10,2mm

Part No.: **Q19013**

Customer:

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.11.2021
APPD:	Schumi			FINISH	Jamy		Sheet No.		3 from 5

www.edcon-components.com

email: info@edcon-components.com

EDCON-COMPONENTS



Ordering Informations

Serie	Switch Type	Lever Style Code (Ax)	Operating force (Bx)	Special function	Special function	ROHS	Packing
Q19013	1	A0	Bx	C0	D0	R	BU

1= 10A/125/250VAC	A0= without Lever	B0= 115gr	C0= No function	D0= No function	R= ROHS conform	BU= Bulk Ware
	A1= Type A1	B1= 150gr			N= Non ROHS	TY= Tray Packing
	A2= Type A2	B2= 175gr				
	A3= Type A3	B3= 190gr				
	A4= Type A4	B4= 220gr				IV= Individual Packing
	A5= Type A5	B3= 250gr				
	A6= Type A6					
	A7= Type A7					
	A8= Type A8					

THT Waterproof Mikro SWITCH 19,8x10,2mm

Part No.: **Q19013**

Customer:

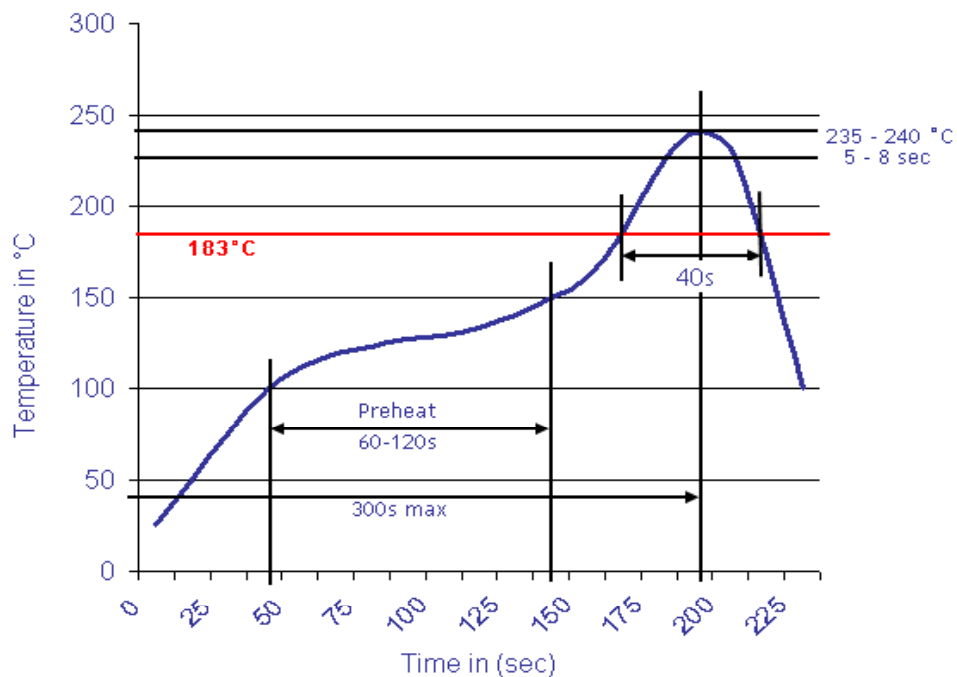
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.11.2021
APPD:	Schumi			FINISH	Jamy		Sheet No.		4 from 5



Soldering Profile for Lead Free Soldering

Soldering Profile for Reflow Soldering

Classification Reflow Profile (JEDEC J-STD-020C)



**THT Waterproof Mikro
SWITCH 19,8x10,2mm**

Part No.: **Q19013**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	13.11.2021
APPD:	Schumi			FINISH	Jamy		Sheet No.		5 from 5

Customer: