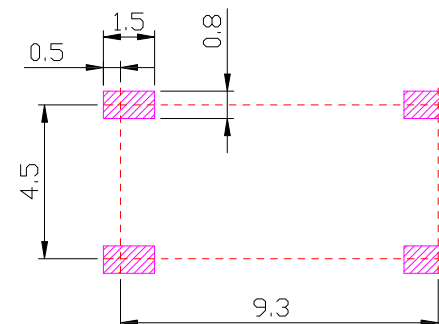
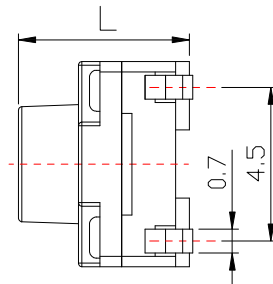
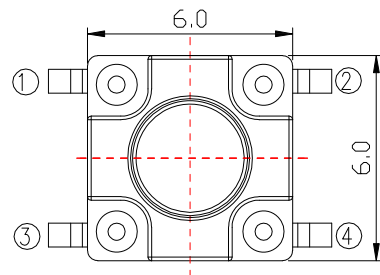




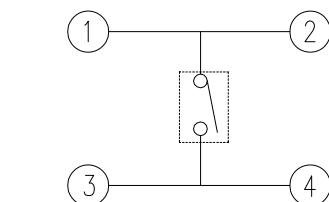
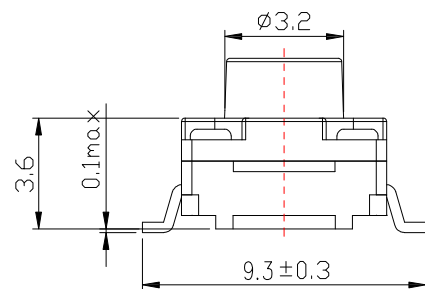
IP67

## P.C.B MOUNTING PATTERN DIMENSION

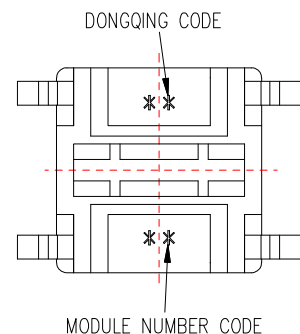
## SPECIFICATIONS

|                         |                  |            |              |
|-------------------------|------------------|------------|--------------|
| Rating                  | DC 12V 50mA Max. |            |              |
| Contact Resistance      | 50mΩ Max.        |            |              |
| Travel                  | 0.30 ± 0.10 mm   |            |              |
| Operating Force         | 2                | 180 ± 50gf | 3 230 ± 50gf |
| Operating Life (cycles) | 100,000          |            |              |

|     |             |     |                        |           |
|-----|-------------|-----|------------------------|-----------|
| F   | WATERPROOF  | 1   | SILICONE RUBBER(Black) |           |
| E   | SPRING      | 1   | SUS                    | Ag plated |
| D   | BUTTON      | 1   | PA9T(Black)            |           |
| C   | COVER       | 1   | PA9T(Black)            |           |
| B   | CONTACT     | 1   | BRASS                  | Ag plated |
| A   | HOUSING     | 1   | PPA(Black)             |           |
| NO. | DESCRIPTION | QTY | MATERIAL               | PLATING   |



## CIRCUIT DIAGRAM



| MODEL NO. | TS-A20WS1 | TS-A20WS1A | TS-A20WS1AL | TS-A20WS1Q | TS-A20WS1QL | TS-A20WS1B | TS-A20WS1C | TS-A20WS1CL | TS-A20WS1DL | TS-A20WS1D | TS-A20WS1Y | TS-A20WS1W | TS-A20WS1WL | TS-A20WS1FL | TS-A20WS1K |
|-----------|-----------|------------|-------------|------------|-------------|------------|------------|-------------|-------------|------------|------------|------------|-------------|-------------|------------|
| L (mm)    | 4.30      | 5.00       | 5.50        | 6.00       | 6.50        | 7.00       | 8.00       | 8.50        | 9.00        | 9.50       | 10.00      | 11.00      | 11.50       | 12.00       | 13.00      |

**CONTACT** 建倚科技股份有限公司  
**CONTACT TECHNOLOGY CORP.**

TOLERANCE UNLESS  
OTHERWISE STATED :

Up to 5 ±0.2  
Above 5 ~ 15 ±0.3  
Above 15 ~ 30 ±0.4  
Above 30 ~ 50 ±0.5  
Angle ±0.3°

3RD.  
ANGEL'S



UNITS

MM

|              |          |           |                   |                                     |
|--------------|----------|-----------|-------------------|-------------------------------------|
| DRAWN BY:    | DATE     | MATL      | TITLE             | SWITCH                              |
| Jack Lu      | 11/11/20 | FINISH    | MODLE             | TACT SWITCH WATERPROOF PITCH :9.3mm |
| CHECKED BY:  | DATE     | SCALE     | DWG NO.           | SIZE                                |
| Jacky Chen   | 11/11/20 | 1 : 1     | TS-A20WS1x-x-S360 | A4                                  |
| APPROVED BY: | DATE     | SHEET NO. | PART NO.          | VER                                 |
| Tony Kao     | 11/11/20 | 1 of 1    | TS-A20WS1x-x-S360 | R                                   |