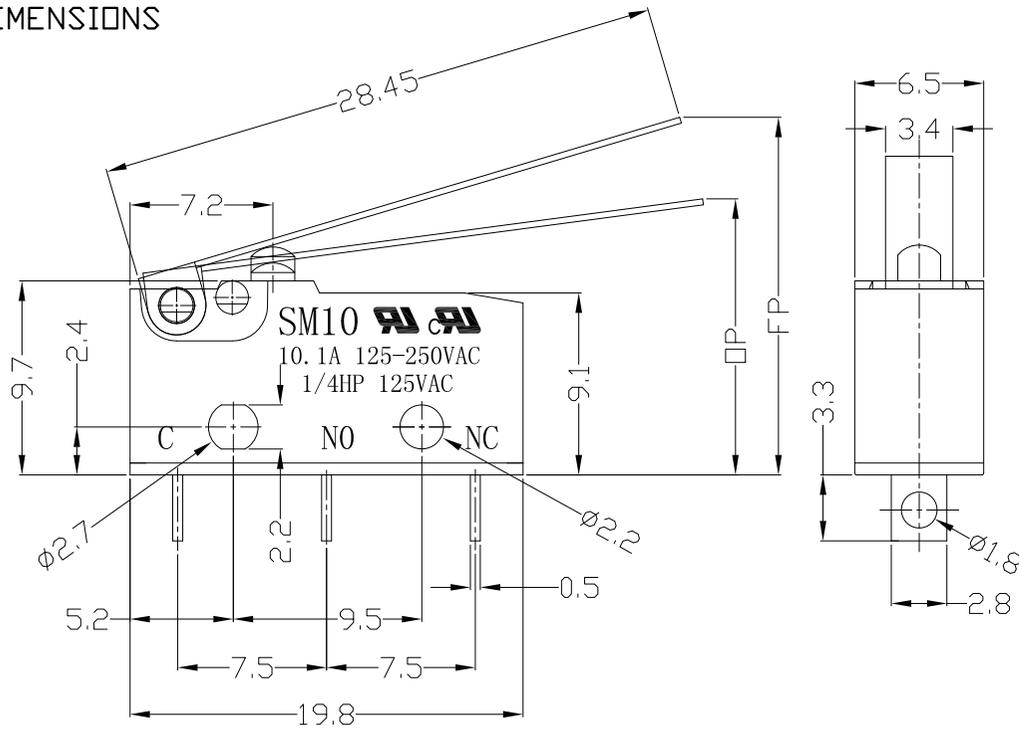




RoHS  
Compliant  
2002/95/EC

| REV. | ECN. | NO. | APPD. |
|------|------|-----|-------|
|      |      |     |       |
|      |      |     |       |
|      |      |     |       |

### DIMENSIONS

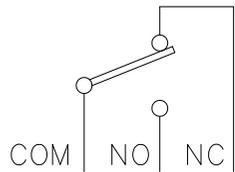


**SM10**  
10.1A 125-250VAC  
1/4HP 125VAC

C NO NC

### MODEL CODE

SW 10-02X-XX  
1 2 3 4 5



### CIRCUIT DIAGRAM

- Series : SW
- Current Rating : 10=10A 125/250VAC
- Actuator : 00=Non-lever 01-99=Lever
- Termination : see chart (N/P/A)  
(7=SPST-NO / 3=SPST-NC)
- Operating Force : see chart



### 1.Functional spec

|                        |                       |         |
|------------------------|-----------------------|---------|
| 1.1 Rated Voltage(AC)  | 125/250VAC            |         |
| 1.2 Rated Current(AC)  | 10.1A                 |         |
| 1.3 Contact Resistance | ≤100mΩ(Initial value) |         |
| 1.4 Operating Force    | 40±20gf               | 55±25gf |
| 1.5 Bounce Time        |                       |         |
| 1.6 Free Position      | 18.0±1.2mm            |         |
| 1.7 Operating Position | 13.8±1.2mm            |         |
| 1.8 Position Travel    |                       |         |
| 1.9 Return Force       |                       |         |

### 2.Reliable Rating

|                           |                                 |
|---------------------------|---------------------------------|
| 2.1 Mechanical Life       | 1,000,000 CYCLES                |
| 2.2 Electrical Life       | 6,000 CYCLES                    |
| 2.3 Insulation Resistance | ≥100MΩ DC500V(Initial value)    |
| 2.4 Withstand Voltage     | AC1000V 1 minute(Initial value) |
| 2.5 Soldering Technic     | Hand Soldering                  |
| 2.6 Operating Temper      | -25°C ~ +85°C                   |
| 2.7 Ambient Humidity Used | <85%RH                          |

|                |          |                          |                  |       |      |
|----------------|----------|--------------------------|------------------|-------|------|
| Tolerance:±0.2 | UNITS mm | 东莞市铀高电子制品有限公司            |                  |       |      |
|                | MAT'L    |                          |                  |       |      |
|                | SEE NOTE | TITLE:                   | PART NO.:        |       |      |
|                | FINISH   | MICRO SWITCH SM10 SERIES | SM10-02N-XX      |       |      |
|                | SEE NOTE | DR: Ricky 2017/4/7       | DWG NO.:         |       |      |
|                | Q'TY     | CHKD: Ricky 2017/4/7     | ATD-02X-XX       |       |      |
|                |          | APPD:                    | SCALE            | SHEET | REV. |
|                |          |                          | 1:1              | 1/2   | A    |
|                |          |                          | CUSTOMER DRAWING |       |      |

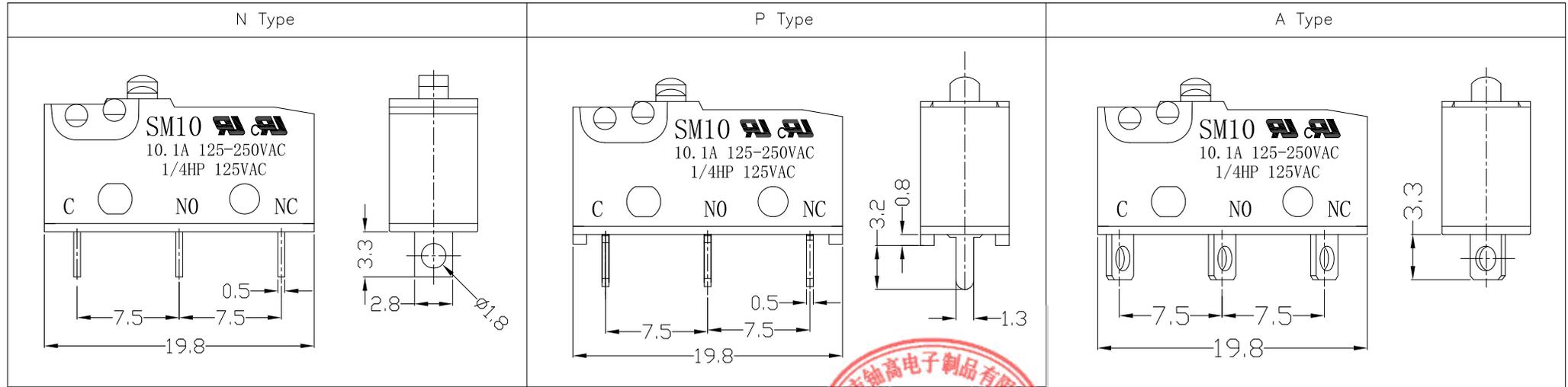
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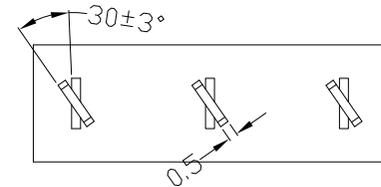
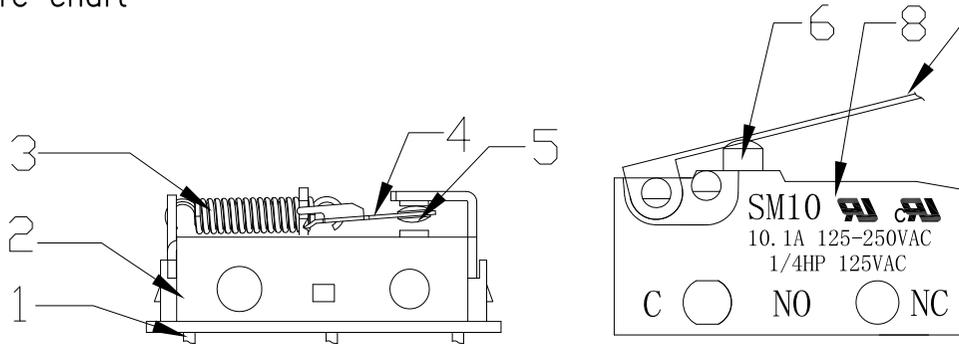
RoHS  
Compliant  
2002/95/EC

| REV. | ECN. | NO. | APPD. |
|------|------|-----|-------|
|      |      |     |       |
|      |      |     |       |
|      |      |     |       |

### Terminal Type



### Structure chart



### Material list

| NO. | PARTS         | MATERIAL     | Q'TY | FINISHING |                |       |    |               |                          |             |       |       |      |          |  |
|-----|---------------|--------------|------|-----------|----------------|-------|----|---------------|--------------------------|-------------|-------|-------|------|----------|--|
| 8   | Upper Housing | PBT          | 1    | Black     | Tolerance:±0.2 | UNITS | mm | 东莞市铀高电子制品有限公司 |                          |             |       |       |      |          |  |
| 7   | Lever         | SUS301       | 1    |           |                |       |    |               |                          |             |       |       |      |          |  |
| 6   | Button        | PBT          | 1    | Black     |                | MAT'L |    | SEE NOTE      | TITLE:                   | PART NO.:   |       |       |      |          |  |
| 5   | Contact       | Silver alloy | 3    |           |                |       |    |               | MICRO SWITCH SM10 SERIES | SM10-02X-XX |       |       |      |          |  |
| 4   | Change Plate  | C5210        | 1    |           |                |       |    |               | DR:                      | ATD-02X-XX  |       |       |      |          |  |
| 3   | Spring        | SUS304       | 1    |           |                |       |    |               | <i>Ricky</i> 2017/4/7    | DWG NO.:    |       |       |      |          |  |
| 2   | Lower Housing | PBT          | 1    | Black     |                |       |    |               | CHKD:                    |             | SCALE | SHEET | REV. | CUSTOMER |  |
| 1   | Terminal      | C2680        | 3    |           |                |       |    |               | <i>Ricky</i> 2017/4/7    |             | 1:1   | 2/2   | A    | DRAWING  |  |
|     |               |              |      |           |                |       |    |               | APPD:                    |             |       |       |      |          |  |

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