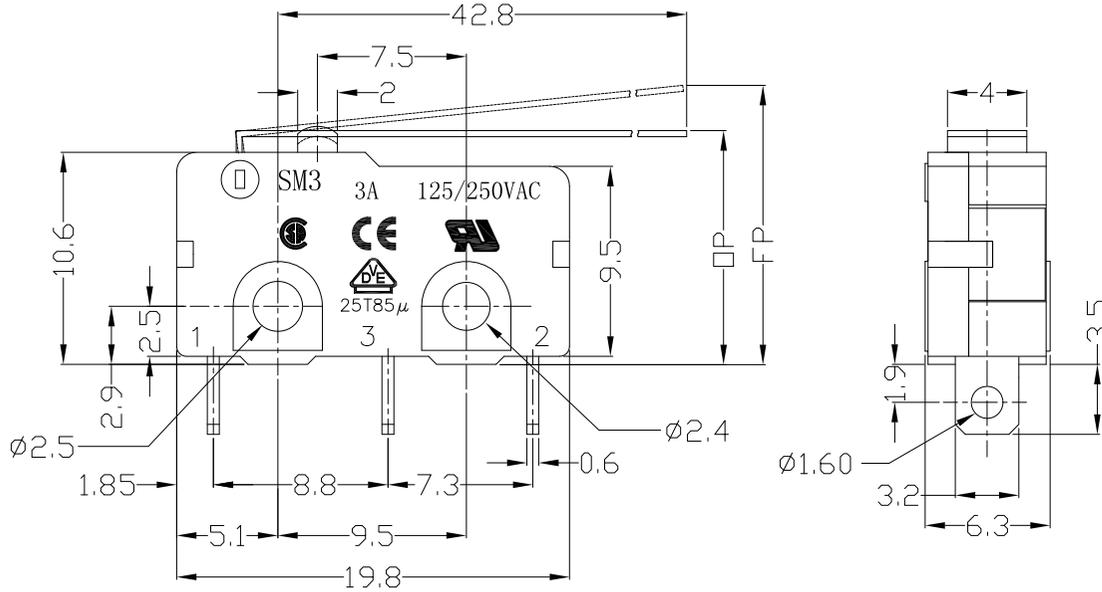




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DIMENSIONS

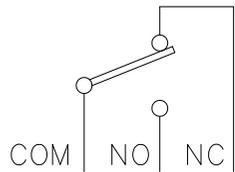


MODEL CODE

SM 3- 00 X-XX S-C31

1 2 3 4 5 6 7

- 1.Series : SM
- 2.Current Rating : 3=3A 125/250VAC
- 3.Actuator : 00=Non-lever 01-99=Lever
- 4.Termination : see chart (N/P/C/D)
(2=SPST-NO / 3=SPST-NC)
- 5.Operating Force : see chart
- 6.Spring Material:S=SUS304
- 7.Contact type: C31=3Amps Contact



CIRCUIT DIAGRAM

1.Functional spec

| | | | |
|------------------------|-----------------------|--------|---------|
| 1.1 Rated Voltage(AC) | 125/250VAC | | |
| 1.2 Rated Current(AC) | 3A | | |
| 1.3 Contact Resistance | ≤100mΩ(Initial value) | | |
| 1.4 Operating Force | 14±6gf | 20±8gf | 25±12gf |
| 1.5 Bounce Time | | | |
| 1.6 Free Position | 17.5±1.5mm | | |
| 1.7 Operating Position | 13.0±2.0mm | | |
| 1.8 Position Travel | | | |
| 1.9 Return Force | | | |

2.Reliable Rating

| | |
|---------------------------|------------------|
| 2.1 Mechanical Life | 1,000,000 CYCLES |
| 2.2 Electrical Life | 10,000 CYCLES |
| 2.3 Insulation Resistance | ≥100MΩ DC500V |
| 2.4 Withstand Voltage | AC1000V 1 minute |
| 2.5 Soldering Technic | Hand Soldering |
| 2.6 Operating Temper | -25°C ~ +85°C |
| 2.7 Ambient Humidity Used | <85%RH |



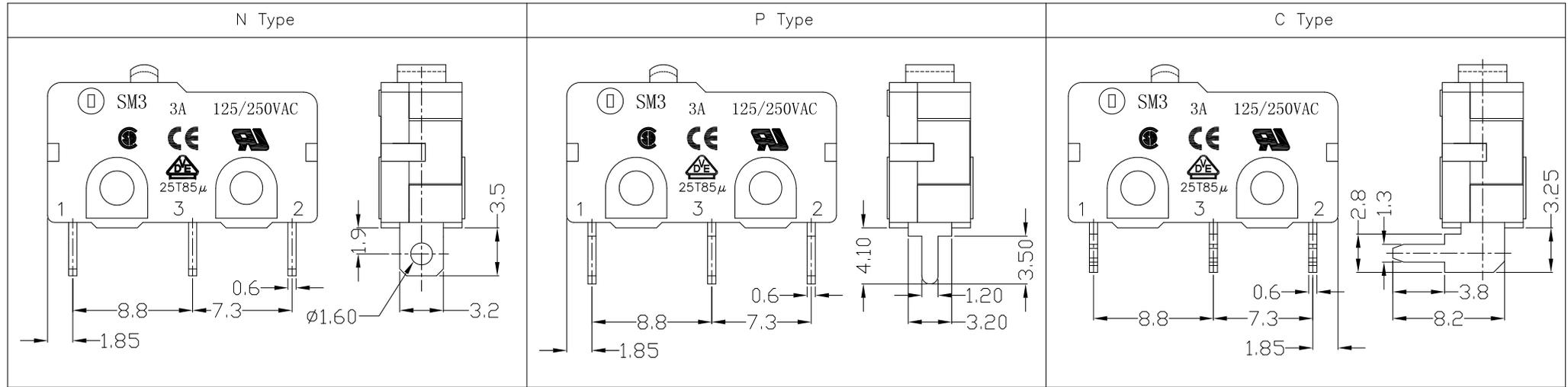
| | | | | | |
|---|--------------------|---------------------------------|-----------------------------|-------|------|
| Tolerance:±0.2 | UNITS mm | 东莞市铀高电子制品有限公司 | | | |
| | MAT'L SEE NOTE | | | | |
| | FINISH SEE NOTE | DR: <i>Ricky</i> 2017/4/11 | DWG NO.: ATD-07X-XXS-C31 | | |
| | Q'TY | CHKD: <i>Ricky</i> 2017/4/11 | SCALE | SHEET | REV. |
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| | | | CUSTOMER DRAWING | | |



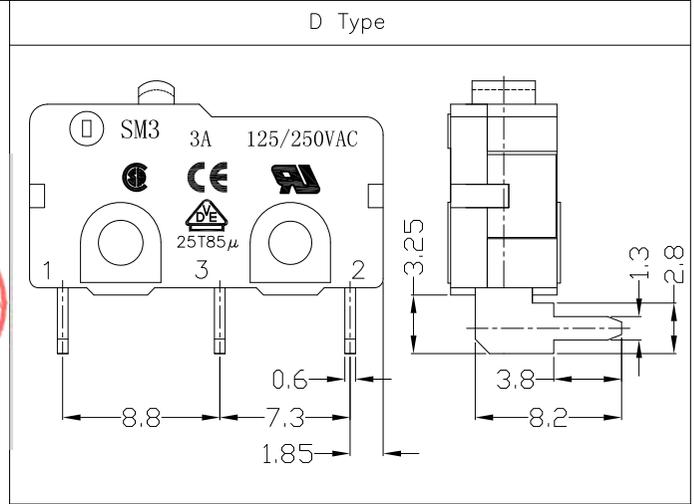
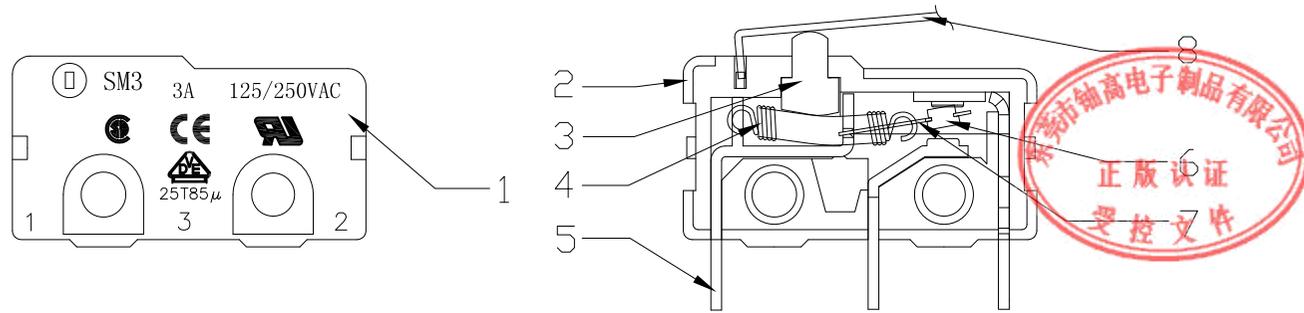
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| REV. | ECN. | NO. | APPD. |
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| | | | |
| | | | |

Terminal Type



Structure chart



Material list

| NO. | PARTS | MATERIAL | Q'TY | FINISHING | Tolerance:±0.2 | UNITS | 东莞市铀高电子制品有限公司 | | | |
|-----|---------------|--------------|------|-----------|----------------|----------|-------------------------|--|-----------------|--|
| 8 | Lever | SUS301 | 1 | | mm | SEE NOTE | TITLE: | | PART NO. | |
| 7 | Change Plate | C5210 | 1 | | | | MICRO SWITCH SM3 SERIES | | SM3-07X-XXS-C31 | |
| 6 | Contact | Silver alloy | 1 | | SEE NOTE | FINISH | DR: | | DWG NO.: | |
| 5 | Terminal | C2680 | 3 | | | | Ricky 2017/4/11 | | ATD-07X-XXS-C31 | |
| 4 | Spring | SUS304 | 1 | | SEE NOTE | Q'TY | CHKD: | | SCALE | |
| 3 | Button | PBT | 1 | | | | Ricky 2017/4/11 | | 1:1 | |
| 2 | Lower Housing | PBT | 1 | | SEE NOTE | APPD: | DR: | | REV. | |
| 1 | Upper Housing | PBT | 1 | | | | Ricky 2017/4/11 | | A | |
| NO. | PARTS | MATERIAL | Q'TY | FINISHING | | | APPD: | | DRAWING | |

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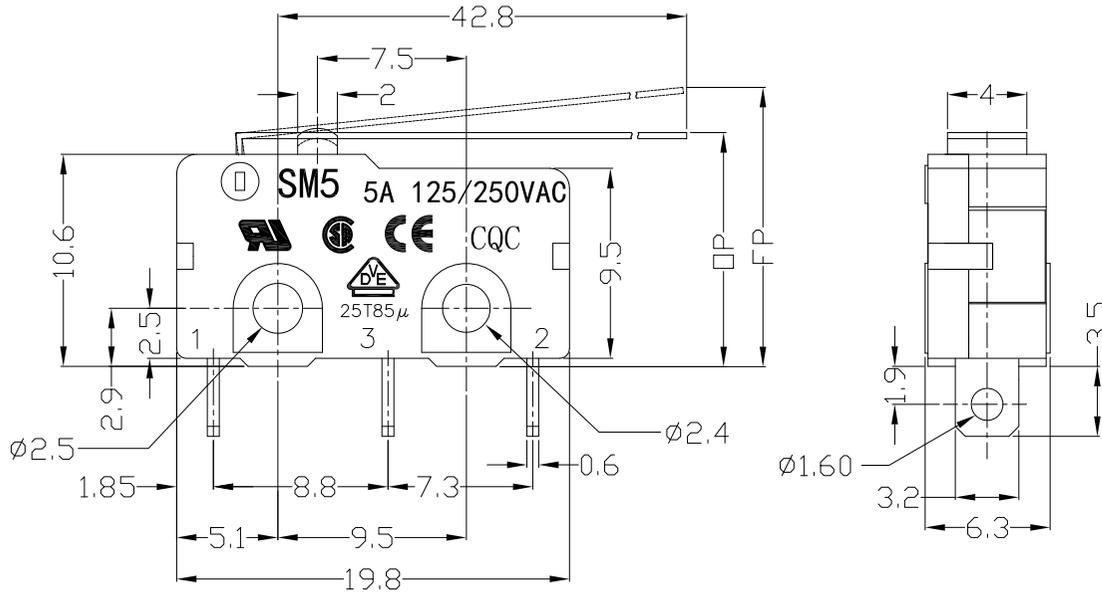




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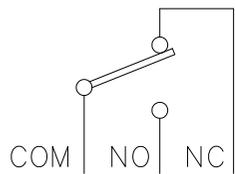


MODEL CODE

SM 5 - 00 X - XX S - C51

1 2 3 4 5 6 7

1. Series : SM
2. Current Rating : 5=5A 125/250VAC
3. Actuator : 00=Non-lever 01-99=Lever
4. Termination : see chart (N/P/C/D/L)
(2=SPST-NO / 3=SPST-NC)
5. Operating Force : see chart
6. Spring Material: S=SUS304
7. Contact type: C51=5Amps Contact



CIRCUIT DIAGRAM



1. Functional spec

| | | | |
|------------------------|-----------------------|--------|---------|
| 1.1 Rated Voltage(AC) | 125/250VAC | | |
| 1.2 Rated Current(AC) | 5A | | |
| 1.3 Contact Resistance | ≤100mΩ(Initial value) | | |
| 1.4 Operating Force | 14±6gf | 20±8gf | 25±12gf |
| 1.5 Bounce Time | | | |
| 1.6 Free Position | 17.5±1.5mm | | |
| 1.7 Operating Position | 13.0±2.0mm | | |
| 1.8 Position Travel | | | |
| 1.9 Return Force | | | |

2. Reliable Rating

| | |
|---------------------------|------------------|
| 2.1 Mechanical Life | 1,000,000 CYCLES |
| 2.2 Electrical Life | 10,000 CYCLES |
| 2.3 Insulation Resistance | ≥100MΩ DC500V |
| 2.4 Withstand Voltage | AC1000V 1 minute |
| 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 | | | |
| | MAT'L | SEE NOTE | | | |
| FINISH | SEE NOTE | TITLE: | | PART NO.: | |
| | SEE NOTE | MICRO SWITCH SM5 SERIES | | SM5-07N-XXS-C51 | |
| Q'TY | DR: | Ricky 2017/4/12 | | DWG NO.: | |
| | CHKD: | Ricky 2017/4/12 | | ATD-07X-XXS-C51 | |
| APPD: | SCALE | 1:1 | SHEET | 1/2 | REV. |
| | APPD: | 11 | 1/2 | A | CUSTOMER DRAWING |

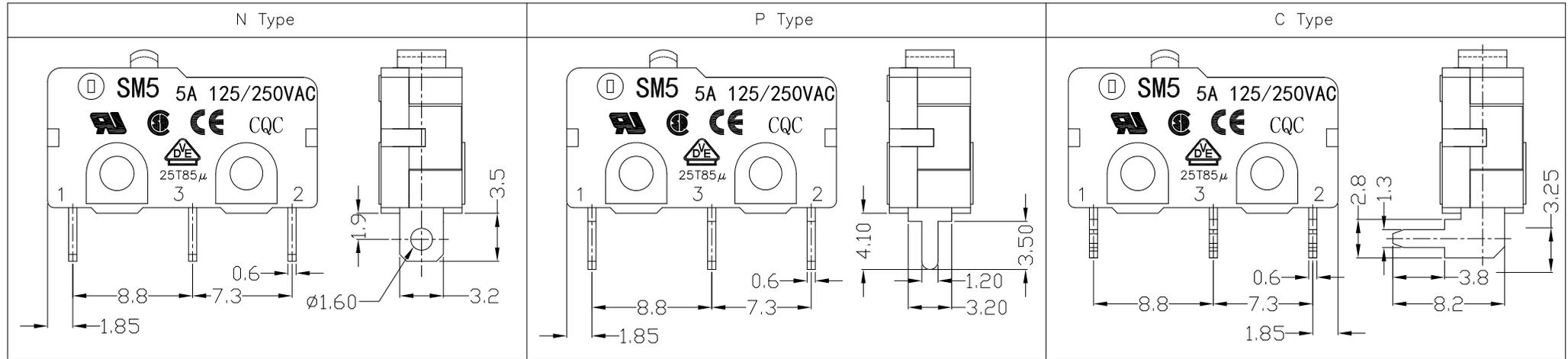
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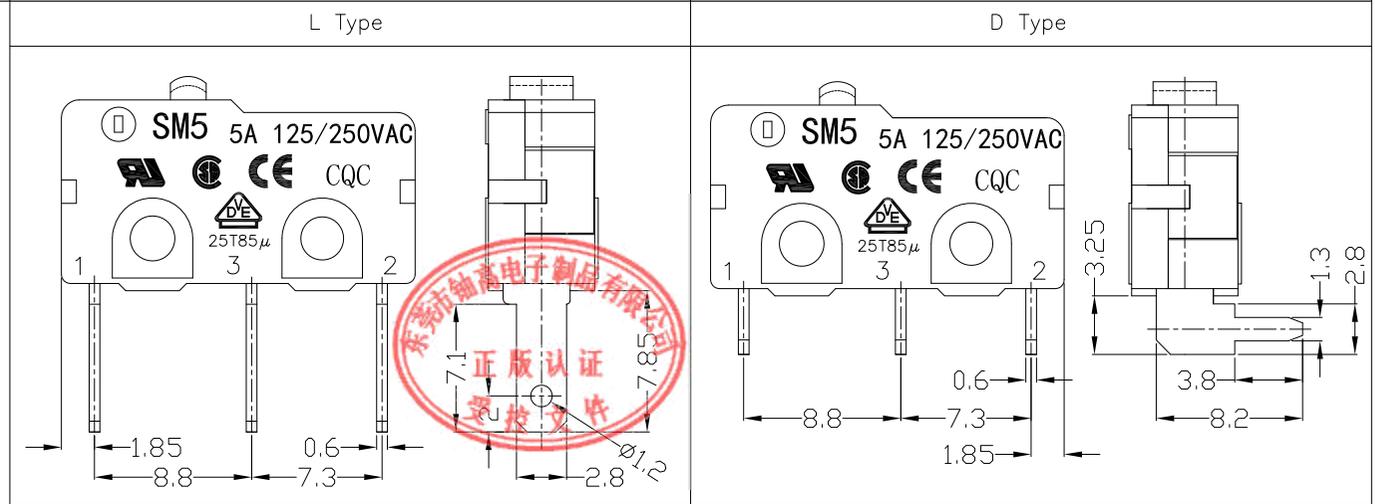
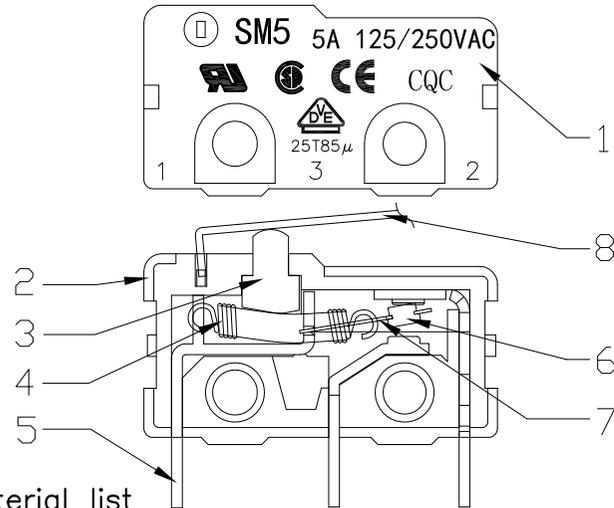
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| | | |
|------|----------|-------|
| REV. | ECN. NO. | APPD. |
| | | |
| | | |

Terminal Type



Structure chart



Material list

| NO. | PARTS | MATERIAL | Q'TY | FINISHING | Tolerance: ±0.2 | UNITS | 东莞市铀高电子制品有限公司 | | | |
|-----|---------------|--------------|------|-----------|-----------------|----------|-------------------------|--|-----------------|--|
| 8 | Lever | SUS301 | 1 | | mm | SEE NOTE | TITLE: | | PART NO.: | |
| 7 | Change Plate | C5210 | 1 | | | | MICRO SWITCH SM5 SERIES | | SM5-07X-XXS-C51 | |
| 6 | Contact | Silver alloy | 3 | | SEE NOTE | FINISH | DR: Ricky 2017/4/12 | | DWG NO.: | |
| 5 | Terminal | C2680 | 3 | | | | MICRO SWITCH SM5 SERIES | | ATD-07X-XXS-C51 | |
| 4 | Spring | SUS304 | 1 | | SEE NOTE | Q'TY | CHKD: Ricky 2017/4/12 | | SCALE | |
| 3 | Button | PBT | 1 | | | | MICRO SWITCH SM5 SERIES | | SHEET | |
| 2 | Lower Housing | PBT | 1 | | SEE NOTE | Q'TY | APPD: | | CUSTOMER | |
| 1 | Upper Housing | PBT | 1 | | | | MICRO SWITCH SM5 SERIES | | DRAWING | |

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