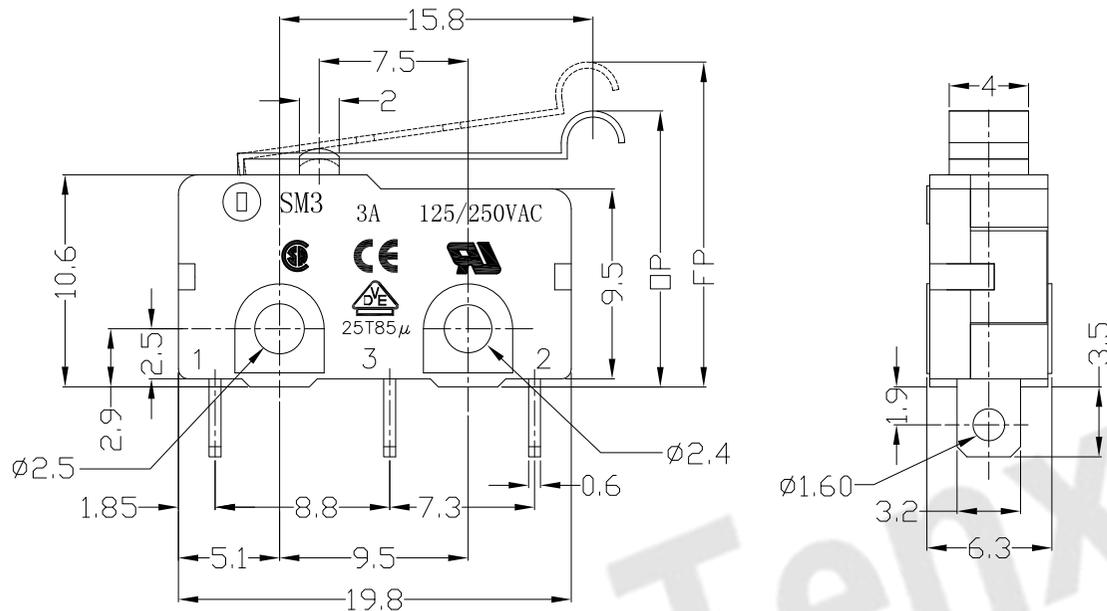




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Compliant
2002/95/EC

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

DIMENSIONS

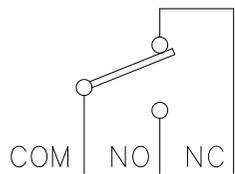


MODEL CODE

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 | 28±12gf 40±20gf 60±25gf |
| 1.5 Bounce Time | |
| 1.6 Free Position | 16.7±0.8mm |
| 1.7 Operating Position | 14.5±1.0mm |
| 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 |

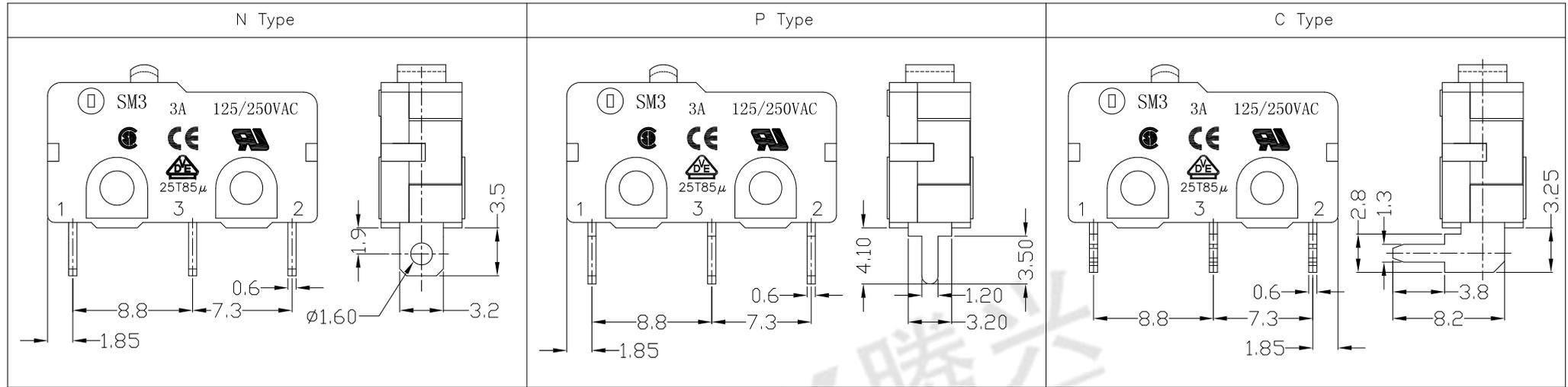
| | | | | | |
|---|--------|-------------------------|-------|------------------------------|------------------|
| Tolerance: ±0.2 | UNITS | mm | | | |
| | MAT'L | SEE NOTE | | | |
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| | Q'TY | SEE NOTE | | CHKD: <i>Ricky</i> 2017/4/11 | |
| 东 莞 市 腾 兴 电 子 有 限 公 司 | | TITLE: | | PART NO.: | |
| | | MICRO SWITCH SM3 SERIES | | SM3-04N-XXS-C31 | |
| | | APPD: | | DWG NO.: | |
| | | | | ATD-04X-XXS-C31 | |
| | | SCALE | SHEET | REV. | CUSTOMER DRAWING |
| | | 1:1 | 1/2 | A | |



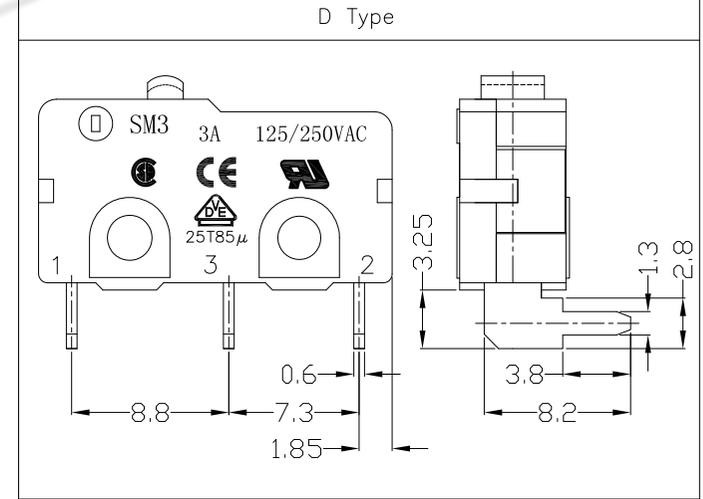
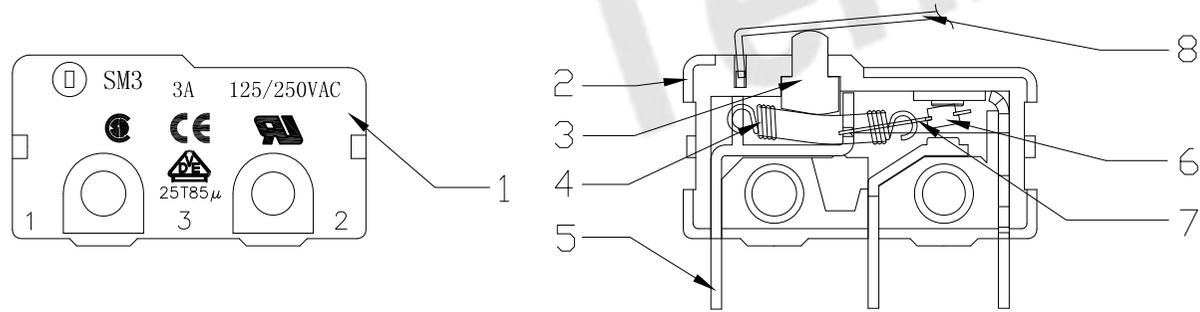
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| REV. | ECN. NO. | NO. | APPD. |
|------|----------|-----|-------|
| | | | |
| | | | |

Terminal Type



Structure chart



Material list

| NO. | PARTS | MATERIAL | Q'TY | FINISHING |
|-----|---------------|--------------|------|-----------|
| 8 | Lever | SUS301 | 1 | |
| 7 | Change Plate | C5210 | 1 | |
| 6 | Contact | Silver alloy | 1 | |
| 5 | Terminal | C2680 | 3 | |
| 4 | Spring | SUS304 | 1 | |
| 3 | Button | PBT | 1 | |
| 2 | Lower Housing | PBT | 1 | |
| 1 | Upper Housing | PBT | 1 | |

Tolerance: ±0.2

UNITS mm

MAT'L

SEE NOTE

FINISH

SEE NOTE

Q'TY

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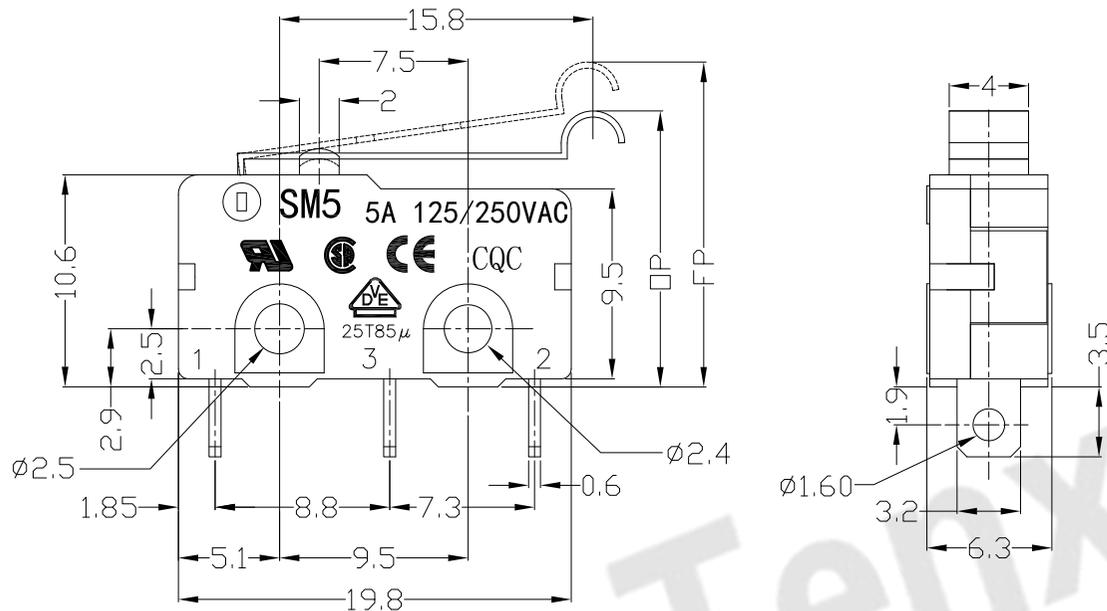
| | | | |
|--------------------------------|--|---------------------------|------------------|
| 东莞市腾兴电子有限公司 | | | |
| TITLE: MICRO SWITCH SM3 SERIES | | PART NO.: SM3-04X-XXS-C31 | |
| DR: Ricky 2017/4/11 | | DWG NO.: ATD-04X-XXS-C31 | |
| CHKD: Ricky 2017/4/11 | | SCALE: 1:1 | SHEET: 2/2 |
| APPD: | | REV.: A | CUSTOMER DRAWING |



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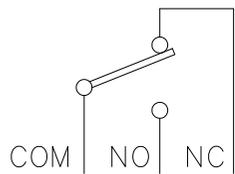


MODEL CODE

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 | 28±12gf 40±20gf 60±25gf |
| 1.5 Bounce Time | |
| 1.6 Free Position | 16.7±0.8mm |
| 1.7 Operating Position | 14.5±1.0mm |
| 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 |

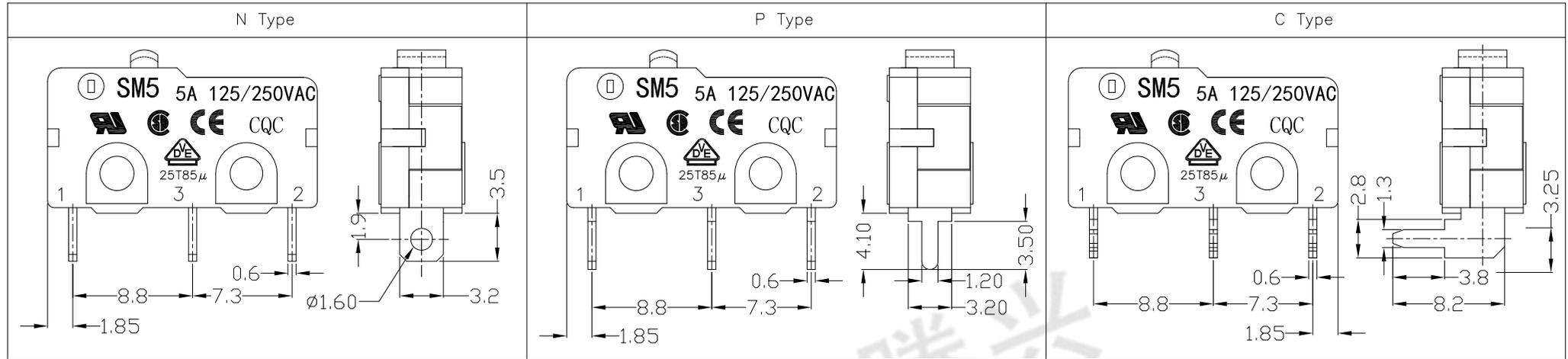
| | | | | | |
|--|----------|--------------------------------|--|---------------------------|------------------|
| Tolerance: ±0.2 | UNITS mm | 东莞市腾兴电子有限公司 | | | |
| | MAT'L | TITLE: MICRO SWITCH SM5 SERIES | | PART NO.: SM5-04N-XXS-C51 | |
| | SEE NOTE | DR: <i>Ricky</i> 2017/4/12 | | DWG NO.: ATD-04X-XXS-C51 | |
| | FINISH | CHKD: <i>Ricky</i> 2017/4/12 | | SCALE | SHEET |
| | SEE NOTE | Q'TY | | 1:1 | 1/2 |
| | | APPD: | | REV. A | CUSTOMER DRAWING |
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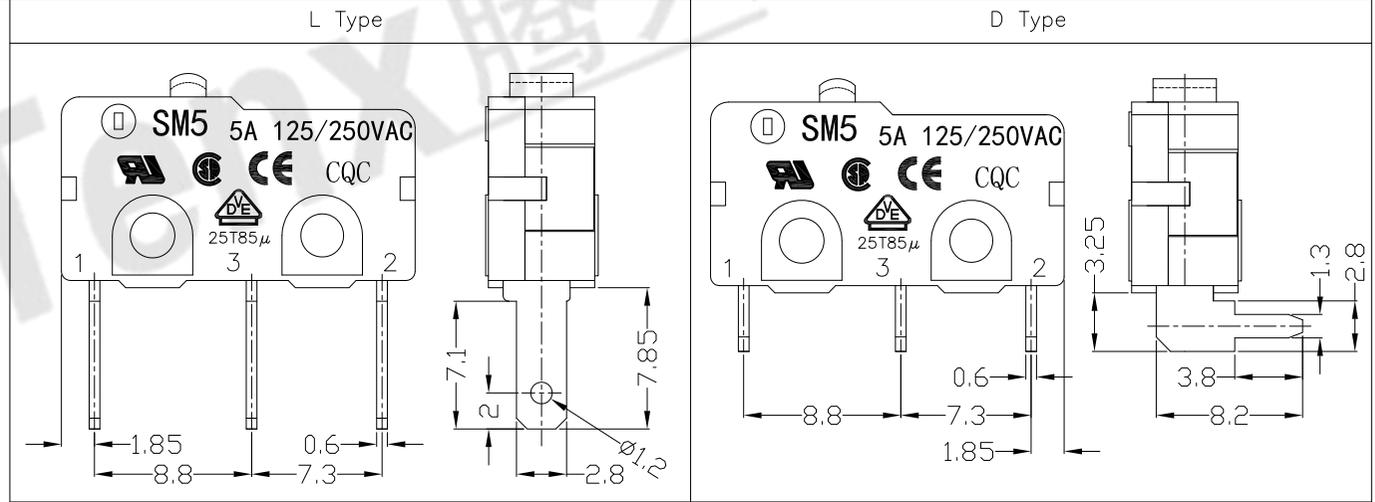
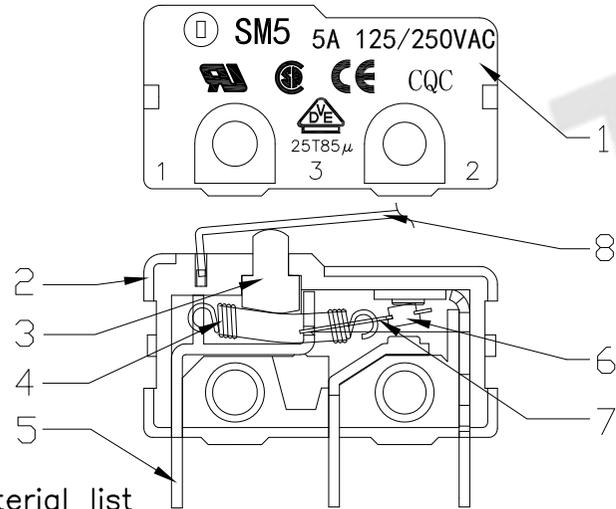
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| REV. | ECN. | NO. | APPD. |
|------|------|-----|-------|
| | | | |
| | | | |

Terminal Type



Structure chart



Material list

| | | | | | | | | | |
|-----|---------------|--------------|------|----------------|-------------|-------------------------|-----------------|-----------------------|-----------------|
| 8 | Lever | SUS301 | 1 | Tolerance:±0.2 | UNITS mm | 东莞市腾兴电子有限公司 | | | |
| 7 | Change Plate | C5210 | 1 | | | | | | |
| 6 | Contact | Silver alloy | 3 | SEE NOTE | FINISH | MICRO SWITCH SM5 SERIES | SM5-04X-XXS-C51 | | |
| 5 | Terminal | C2680 | 3 | | | SEE NOTE | Q'TY | DR: Ricky 2017/4/12 | DWG NO.: |
| 4 | Spring | SUS304 | 1 | SEE NOTE | APPD: | | | CHKD: Ricky 2017/4/12 | ATD-04X-XXS-C51 |
| 3 | Button | PBT | 1 | | | SEE NOTE | APPD: | SCALE | SHEET |
| 2 | Lower Housing | PBT | 1 | SEE NOTE | APPD: | | | 1:1 | 2/2 |
| 1 | Upper Housing | PBT | 1 | | | SEE NOTE | APPD: | | |
| NO. | PARTS | MATERIAL | Q'TY | FINISHING | | | | | |

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