

# SPECIFICATION

CUSTOMER: JAMES

DATE: '09.04.28

MODEL NO: ADU240100

DESIGNED NO: E0461

## 1. APPLICABLE SAFETY STANDARD :

PSE    UL 1310    UL 1950    C-CUL    GS    CE    商檢

## 2. GENERAL APPEARANCE :

- 2.1 THE GENERAL APPEARANCE OF THE AC/DC ADAPTOR SHALL BE WITHOUT DEFORMATION, CRACKS OR CORROSION.
- 2.2 THE SHAPE, DIMENSIONS AND MARKINGS OF THE AC/DC ADAPTOR SHALL BE AS SPECIFIED IN THE CONSTRUCTION DRAWING AND NAME PLATE.

## 3. CHARACTERISTICS :

- 3.1 PRIMARY RATED VOLTAGE & LINE FREQUENCY : 120 VAC 60 Hz
- 3.2 PRIMARY EXCITING CURRENT (Io) 90 mA MAX. AT INPUT 120 VAC 60 Hz.  
LOADING CURRENT (Ip) X mA MAX. AT INPUT X VAC X Hz, LOAD X A.
- 3.3 NO - LOAD LOSS : X W MAX. AT INPUT X VAC X Hz.
- 3.4 SECONDARY RATED VOLTAGE AND CURRENT :

| PRIMARY VOLTAGE | RATE VOLTAGE | TOLERANCE | RATED CURRENT | NO-LOAD VOLTAGE | REGULATION |
|-----------------|--------------|-----------|---------------|-----------------|------------|
| 120VAC 60Hz     | 24VAC        | ±5%       | 1000mA-AC     |                 |            |
|                 |              |           |               |                 |            |
|                 |              |           |               |                 |            |
|                 |              |           |               |                 |            |

- 3.5 RIPPLE VOLTAGE : X mV(r.m.s) MAX. AT INPUT X VAC X Hz, LOAD X A.
- 3.6 DC RESISTANCE : PRIMARY: X Ω ± X % MEASURED AT 25 °C .
- 3.7 HI-POT TEST : AC 1240 V 50/60Hz FOR 1 MINUTES BETWEEN INPUT TO OUTPUT PLUG AND CASE NEED NORMAL PERFORMANCE , LEAKAGE CURRENT 1 mA.
- 3.8 INSULATION RESISTANCE : 500 VDC 100 MΩ MIN. BETWEEN INPUT TO OUTPUT PLUG AND CASE.
- 3.9 TEMPERATURE RISE :INPUT 120 VAC 60 Hz, OUTPUT LOAD 1.0 A FOR INPUT COIL 75 °C MAX (BY USE RESISTANCE METHOD) ON CASE SURFACE X °C MAX (BY USE THERMOMETER METHOD) AT 25°C AMBIENT.
- 3.10 HUMIDITY TEST : TEMP. 40±2 °C, 90-95 % R.H FOR 4 HOURS , AFTER AT MINUTES TAKEN OUT FROM OVEN . AND WIPED DRY. TEST 3.4 、 3.7 AND INSULATION TEST 10 MΩ MIN.

## 4. MECHANICAL PERFORMANCE :

- 4.1 STRAIN-RELIEF TEST : 10 LB FOR 60 SEC. IN ANY DIRECTION .
- 4.2 DROP TEST : UNIT IS TO BE DROPPED FROM 3 FEET HIGH ONTO A CONCRETE FLOOR COVERED WITH 1/8 INCH VINYL TILE 3 TIMES, THE UNIT SHOULD MEET THE ITEM 3.7 、 3.8.
- 4.3 BENDING RELIEF TEST : THE CORD AND S/R SHALL WITHSTAND WEIGHT OFF 200 g, IT SWINGS FROM LEFT TO RIGHT AT AN ANGLE OF 120 deg , 300 CYCLE TIMES NIN.
- 4.4 VIBRATION RESISTANCE : PRODUCT PACKAGED IN A INTENDED MANNER SHALL DEVELOP NO MECHANICAL OR ELECTRICAL FAILURE WHEN SUBJECTED TO A 1.5 mm PEAK TO PEAK AMPLITUDE , 10-50-10 Hz , VIBRATION IN EACH OF X , Y AND Z DIRECTIONS FOR 30 MINUTES .

## 5. TEMPERATURE RANGE:

- 5.1 USE TEMPERATURE EXTENT : 0 °C ~ +40 °C
- 5.2 STORAGE TEMPERATURE EXTENT : -25 °C ~ +55 °C

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# ELECTRICAL DATA

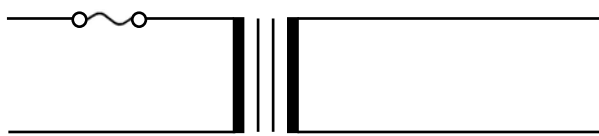
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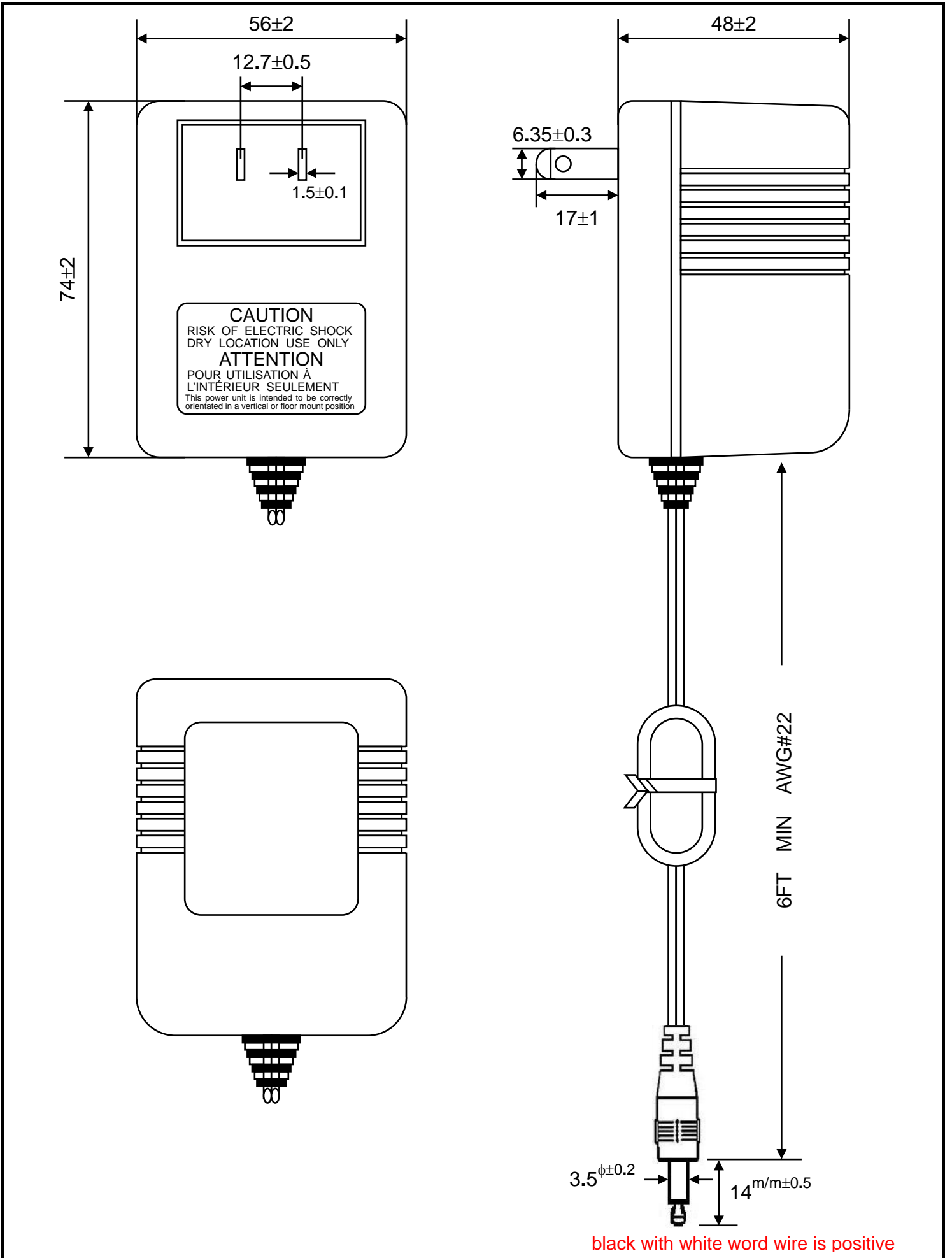
DESIGNED NO: E0461

| ITEM  | SPEC.                            | SAMPLE |   |   |   |   |   |   |   |   |    |  |  |  |
|---|----------------------------------|--------|---|---|---|---|---|---|---|---|----|--|--|--|
|   |                                  | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |  |  |
| PRIMARY EXCITING CURRENT<br>INPUT 120 V-AC 60 Hz  | 90 mA<br>MAX.                    | 50     |   |   |   |   |   |   |   |   |    |  |  |  |
| PRIMARY LOAD CURRENT<br>INPUT 120 V-AC 60 Hz      |                                  | 257    |   |   |   |   |   |   |   |   |    |  |  |  |
| SECONDARY #1 NO LOAD<br>AC VOLTAGE                |                                  | 27.67  |   |   |   |   |   |   |   |   |    |  |  |  |
| SECONDARY #1 AC VOLTAGE<br>LOAD 1000mA-AC         | 24V±5%                           | 24.10  |   |   |   |   |   |   |   |   |    |  |  |  |
|   |                                  |        |   |   |   |   |   |   |   |   |    |  |  |  |
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|   |                                  |        |   |   |   |   |   |   |   |   |    |  |  |  |
| TEMP RISE AFTER 4 HRS<br>WARM UP IN 25 °C AMBIENT | 75 °C<br>MAX.                    | OK     |   |   |   |   |   |   |   |   |    |  |  |  |
| HI-POT<br>TEST                                    | PRI. TO SEC. & CORE<br>AC 1240 V | OK     |   |   |   |   |   |   |   |   |    |  |  |  |

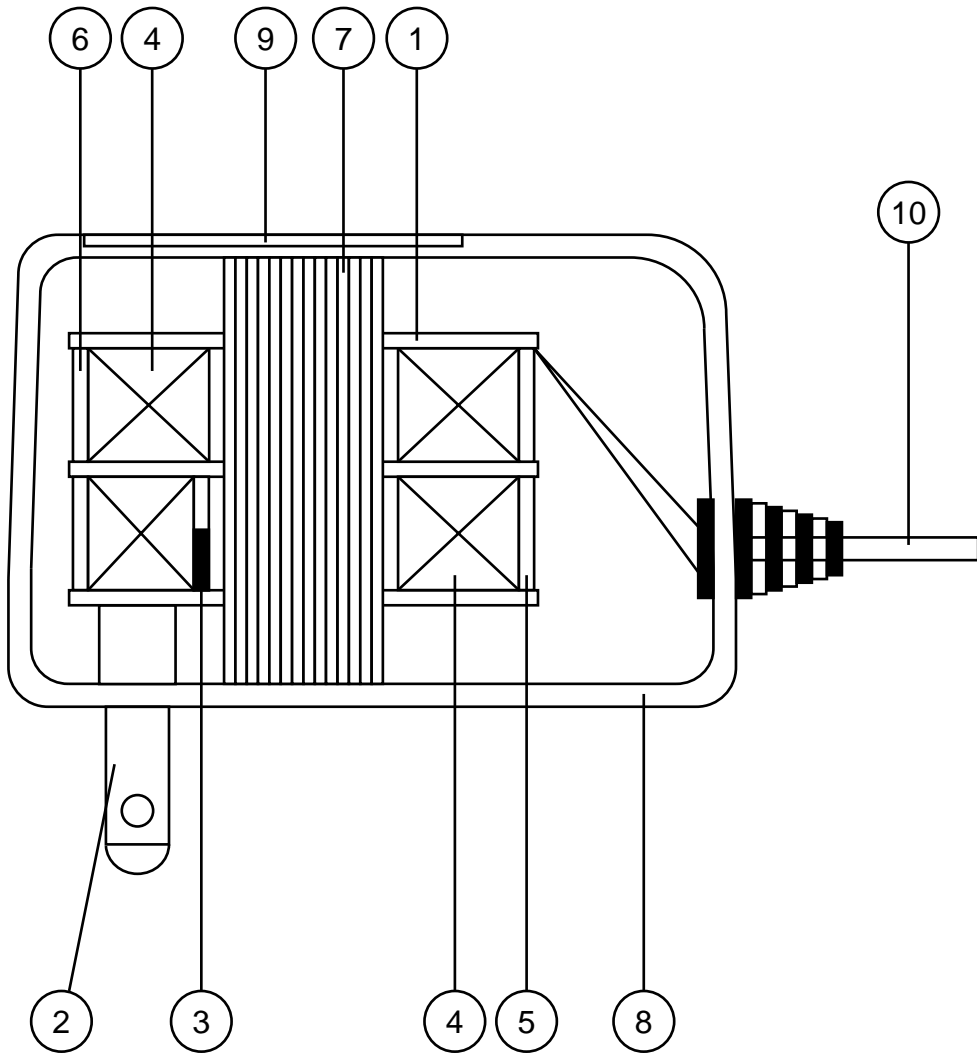


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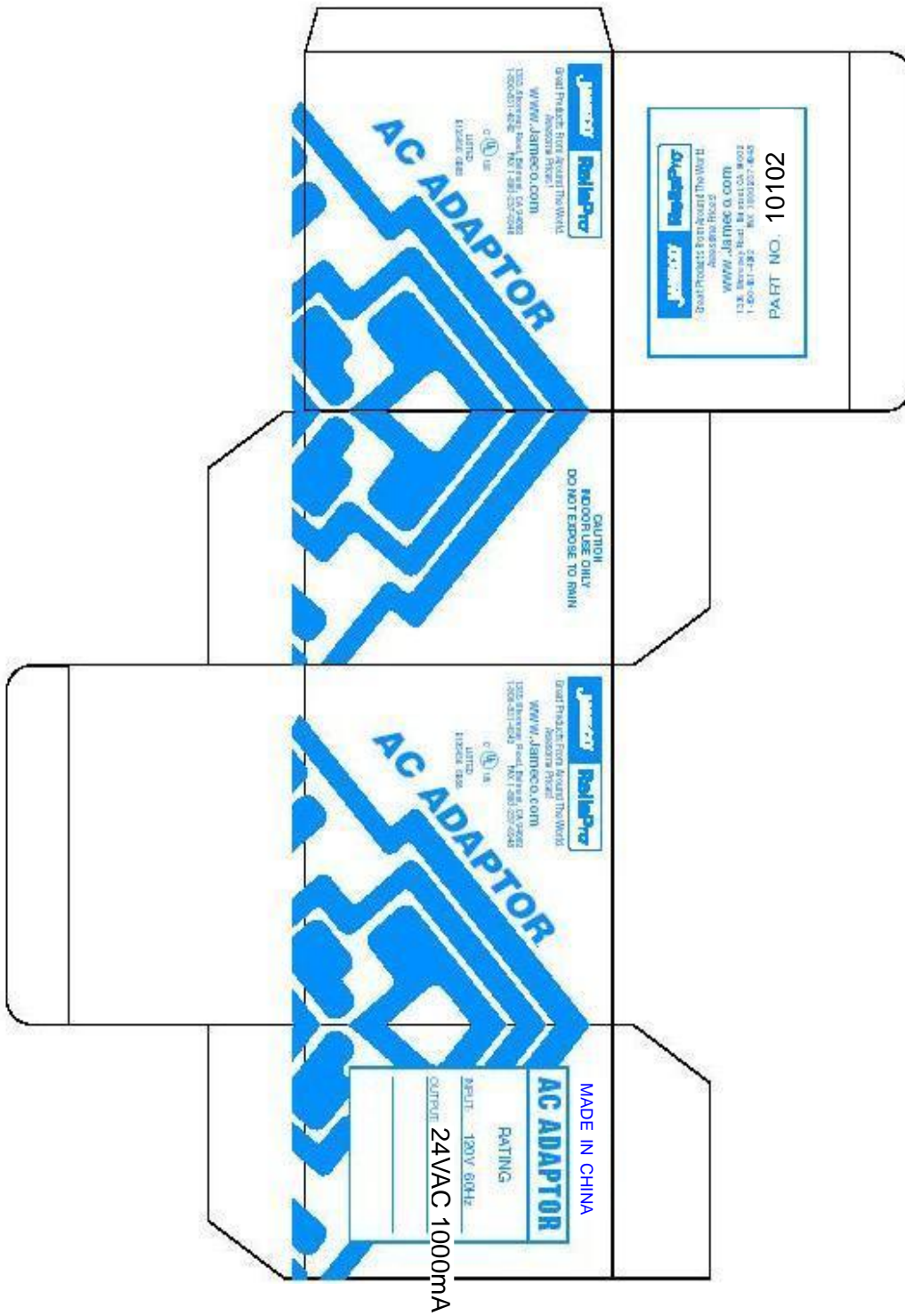
black with white word wire is positive



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| No | DESCRIPTION         | MATERIAL  | SPEC. & Q'TY     | MANUFACTURE   |
|----|---------------------|---|------------------|---|
| 1  | Bobbin              | 70G33L(E41938)                                  |                  | East Tung Jung Plastic Hardware Co., Ltd.<br>Sonkon Plastic & Hardware Factory.   |
| 2  | Primary Blades      | Nickel Plating                                  |                  | Spread Profit Electronic (Dong Guan) Co., Ltd.  |
| 3  | Thermal Cutoff      | L20 (E142267)<br>A2-F(E140847)                  | 115°C<br>115°C   | Joint Force Metal Research & Co.<br>Aupo Electronics Ltd.   |
| 4  | Enamelled Wire      | Polyurethane Enameled<br>Copper Wire(E85640(S)) |                  | Feng Ching Metal Corp.<br>Tai-I Electric Wire & Cable Co., Ltd.   |
| 5  | Primary Outerwarp   | Polyester Film Tape<br>(E81174(S))              | 0.05mm(4T)       | Qun Yi Tape (Dongguan) Co., Ltd.<br>Chyun Yih Tape Co., Ltd.  |
| 6  | Secondary Outerwarp | Polyester Film Tape<br>(E81174(S))              | 0.025mm (2T)     | Qun Yi Tape (Dongguan) Co., Ltd.<br>Chyun Yih Tape Co., Ltd.  |
| 7  | Core                | Silicon Steel                                   | 0.5mm            | Shenzhen Chunyuan Steel Industrial Co., Ltd.  |
| 8  | Enclosure           | Noryl SE100 (GE)<br>(E161723)                   |                  | East Tung Jung Plastic Hardware Co., Ltd.<br>Sonkon Plastic & Hardware Factory.<br>Material:Sabic Innovative Plastics China<br>Co Ltd |
| 9  | Nameplate           | P.V.C (MH26173(N))                              | 0.35mm           | Guang Ming You Tong Printing Factory  |
| 10 | Output Cord         | Flexible Cord(E112781)                          | AWG#22<br>UL2468 | Honor Image Co., Ltd.   |

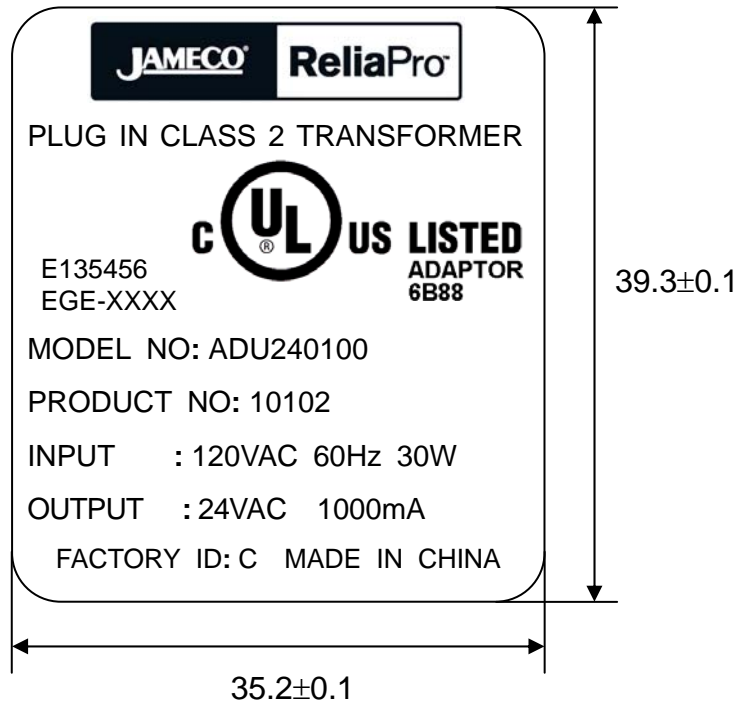
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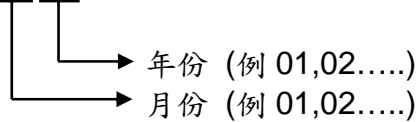
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|     | 發行日 |      | 3      |    |    |      |     |
|     | 核准  | 品保審核 | 製圖     | 2  |    |      |     |
|     |     |      | 李淑華    | 1  |    |      |     |
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- 3.印刷:銀底黑字

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