Client Name：
Part Number： TAU0730TM-14
Client Part Number：

1. Applicability

This specification applies only for Open frame solenoid TAU0730TM-14

2. Standard test conditions

2-1 Environment　Ambient temperature：60 ±2℃
Relative humidity：65 ± 5%
Atmospheric preesure ： 1013mbar

2-2 Test load　Empty load

2-3 Power supply　Adjustable DC 12V power supply

2-4 Test Method

（1）Attraction force：when the armature is in a vertical position, push style conducts pressure test while the pull style conducts tensile test.

（2）The initial force : read by the *force vs stroke graph* on the specifiedstroke range.

（3）Retentivity ： read by the *force vs stroke* when energized closed.

3. Outside drawing

3-1 Overall dimension ： refer to page 3

4. Nominal parameter

4-1 Voltage （According to the clients reqirement, recommend voltage are DC12V、DC24V、DC36V）：　••• DC 12V

4-2 Resistance（20℃）：　••• 40 Ω

4-3 Current（I=U/R ±5%）：　••• 0.3A

4-4 Power （P=U²/R）：　••• 3.6W

4-5 Duty cycle (ED= Power on duaration/ (Power on duaration+ Power off duaration)*100%):　••• 50%

4-6 Insulation grade (According to the clients requirement，B or F):　••• B

Client Name：
Part Number： TAU0730TM-14
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5. Electrical characteristics

5-1 Attraction force

Items	Stroke（mm）	Force（N）
The intitial force	4mm	≈0.5N
Retentivity	0mm	≥5N

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5-2 Insulation resistance

Between coil and frame 100M Ω （DC 500 V in regular temperature/humidity）.

5-3 The withstanding voltage

Between coil and frame AC 500 V（ 50 / 60 Hz）1 Min or AC 1000 V（ 50 / 60 Hz）1 Sec（breakdown current 0.15 mA）.

5-4 Temperature rise

At the rated voltage of DC12 V，temperature rise is 65 ℃Max(power on 1 sec， power off 1 sec）.

5-5 Life time

Normally is 50000 times（power on 1 sec，power off 1 sec）.

5-6 Lead strength

When it is loaded 1 kgf（ 30 sec），broken is not allowed.

5-7 Operation temperature and humidity

-5 ℃～ 60 ℃， 45 %RH～ 85 %RH

Client Name：
Part Number： TAU0730TM-14
Client Part Number：

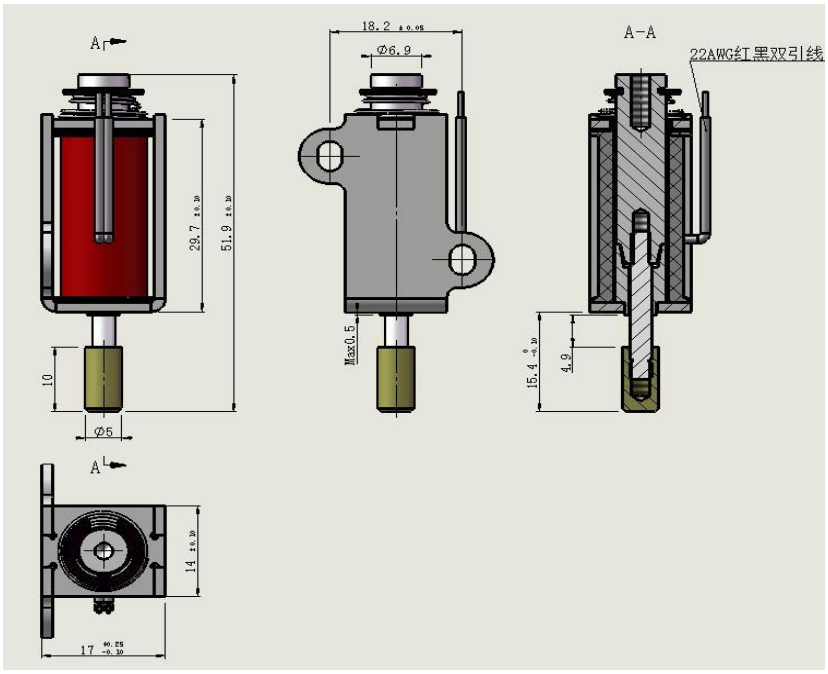
6. Standard code

T A U — 0730 TM （ 12 ， 40）

- T A U — Chaocheng code
- 0730 — Dimension
- TM — Push type
- 12 — Voltage
- 40 — Resistance

7. Others

7-1 If the product specification or manufacturing method need to make changes, the parties shall negotiate to determine its position,expected result and change effect. The *Technical Specification* should be promotly update relatively.



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2					4				