# JBK5-86/40-100L

## Machinery control transformer

JBK5 series machinery control transformer is produced by high permeability material, between laminated silicon steel, bottom plate and laminated silicon steel are welded in a group by argon arc, structure is simple, anti-corrosion alloy material is used in the bottom plate to improve grounding reliability. Crimp terminal using group structure, increases the electrical clearance and creepage distance, and it improves the density of the connection, protection class IP20, can prevent the risk of occasional access to the circuit. The transformer are used for 50-60Hz AC, primary voltage less than 500V, secondary rated voltage less than 400V, it can be used as general electrical control power source of mechanical equipment in various industries, working lighting and signal lamp power source.

### Product application

- Power industry
- Oil industry
- Military engineering
- Chemical industry

### Product advantage

- Good stability
- Low noise
- Power is sufficient
- Small idle current

### Product features

- Single crystal copper enameled wire
- High quality iron core-H18/0.35(annealing)
- EI laminated silicon steel adopts joint welding technology, low loss, low temperature
- Reasonable structure,easy installation, low noise, strong earthquake

Typical technical index:

- Material of core——Laminated silicon steel
- Insulation grade: B grade (130℃)
- Operation temperature——-30℃～+40℃
- Frequency range——50Hz～60Hz
- Fair resistance: UL94-V0
- Form test：Pri./Sec.3.5KV AC/1min 5mA （Multiple output: Sec.500V AC/1min 5mA）

(The samples for it is destructive experiment of samples, not recommended for normal use)

Factory test：Pri./Sec.3.5KV AC/1s 5mA, （Multiple output: Sec.500V AC/1s 5mA）

Electrical parameters: （The following parameters are typical values and actual values will be subject to product testing）

| | | | | | Remarks: |
|---|---|---|---|---|---|
| Primary input voltage | 110 | 220 | 380 | V | Customizable other voltage inputs. example：between 0～660V |
| Primary input voltage range | ±10 | | | % | Other input ranges can be ordered example：±20% |
| Power | 100 | | | VA | Rated power |
| Voltage regulation | 10 | | | % | For reference only |
| No-load loss | 9 | | | W | For reference only |
| Weight | 2 | | | Kg | For reference only |

| Secondary output full-load voltage Single | Secondary output no-load voltage Single | Secondary output full-load current Single |
|---|---|---|
| 7.5V | 8.3V | 13.3A |
| 9V | 10V | 11.1A |
| 12V | 13.2V | 8.3A |
| 15V | 16.5V | 6.6A |
| 18V | 20V | 5.5A |
| 24V | 26.4V | 4.1A |
| 110V | 121V | 909mA |
| 220V | 242V | 454mA |
| 380V | 418V | 263mA |

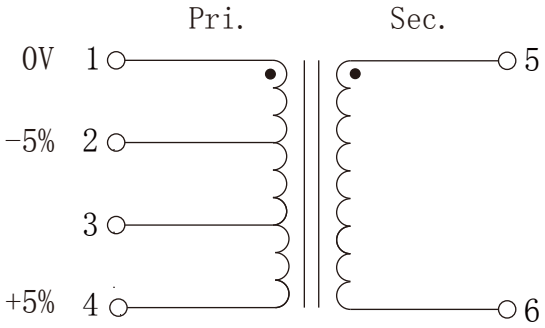
1. Can be customized according to customer requirements output voltage/current to each according to his need

2. If not specified, the secondary output is full load voltage (customized no-load).

3.Transformer input/output for communication
Do the rectification notice

4. Other types can be customized
tap pressure
frequency shielding

Standard product wiring schematic diagram:




Remarks:

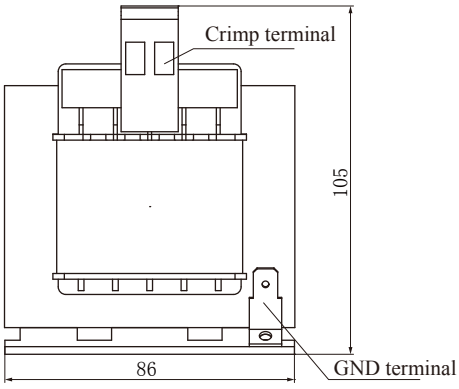
•Represents the same end

No. 2 terminal is high pressure regulating tap

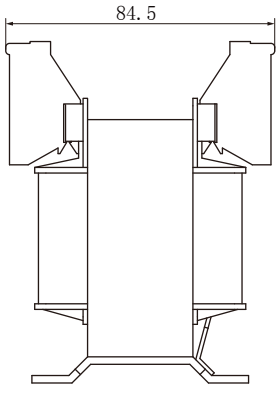
No. 3 terminal is rated input voltage

No. 4 terminal is low pressure regulating tap

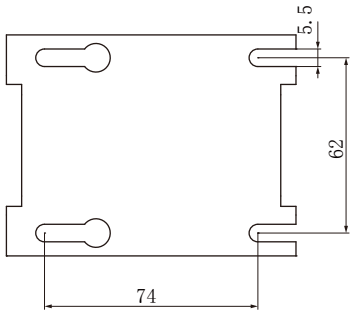
Dimensions（in mm±0.5）:




Front view




Side view




Bottom fixed diagram