

# JA3503 (HF3503)

# DELAYING RELAY



### Features

- Solid base design, stable structure
- Maturing circuit, stable and reliable performances
- Surface mounting technology, advanced craftwork
- Cover copperplates on both sides to assure large current through

### Typical Applications

Delaying control of lamp, Oil pump & radiator

## CHARACTERISTICS

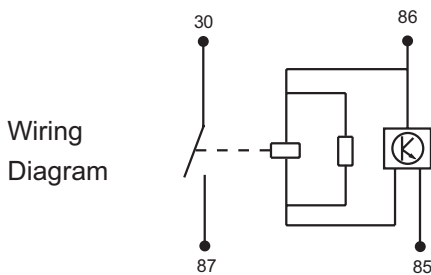
|                             |                                |
|-----------------------------|--------------------------------|
| Norminal voltage            | 12VDC                          |
| Operating voltage range     | 9VDC to 16VDC                  |
| Contact rating              | Resistive: 40A 13.5VDC         |
|                             | Motor: Inrush 100A, Stable 20A |
| Delaying time <sup>1)</sup> | 2s ± 0.5s                      |
| Operate voltage             | 9.0VDC max.                    |
| Release voltage             | 1.2VDC min.                    |

|                      |   |
|----------------------|---|
| Ambient temperature  | -40°C to 85°C                               |
| Electrical endurance | 1×10 <sup>5</sup> OPS (at nomi. vol.)       |
| Vibration resistance | 10Hz to 200Hz 49m/s <sup>2</sup> (5g)       |
| Shock resistance     | 196m/s <sup>2</sup> (20g)                   |
| Weight               | Approx. 40g                                 |
| Mechanical data      | cover retention (pull & push): 250N min.    |
|                      | terminal retention (pull & push): 110N min. |

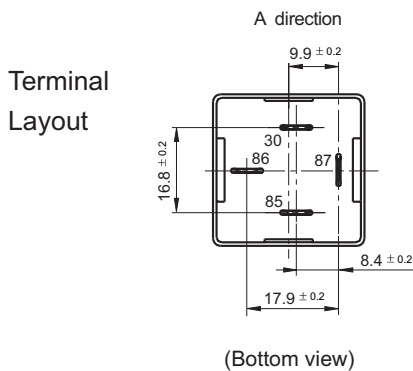
1) When demand of time delay is different from above, please contact Hongfa for more technology support.

## OUTLINE DIMENSIONS AND WIRING DIAGRAM

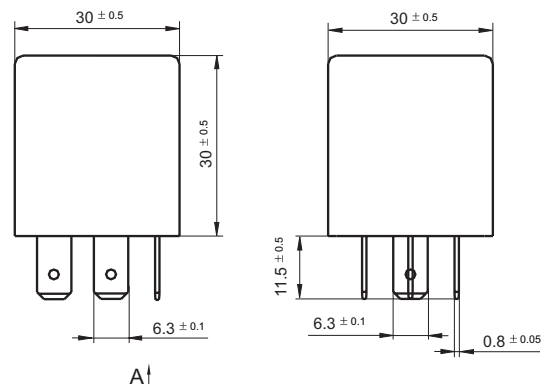
Unit: mm



1. As shown in left wiring diagram, for JA3503, terminal 86 is connected with anode of 12VDC, terminal 85 with cathode of battery, and terminal 30 with anode of electric power, terminal 87 with load.
2. When terminal 86 is powered with 12VDC, after 2s ± 0.5s time delay, electromagnetic relay runs, making terminal 30 and 87 close.



### Outline Dimensions



HONGFA RELAY

ISO9001、ISO/TS16949、ISO14001、OHSAS18001 CERTIFIED

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