

# JDA Series Solid State Overload Relay

## Application

The JDA series solid state overload relay is suitable for overload and phase-failure protection of A.C. motors with frequency 50/60Hz, voltage up to 660V, current from 0.7A to 600A. The features are reliable, lower energy depletion and broad adjusting current. The product conforms to IEC60947-4-1 standard.



JDA-40

## Motion characteristic

1) Three-phase balance motion time as shown table 1

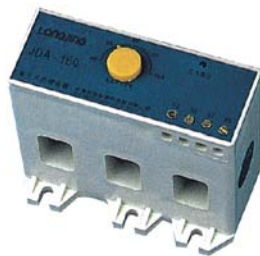
Table 1

| No | Times of the setting current | Motion time |            |       | Ambient temperature |
|----|------------------------------|-------------|------------|-------|---------------------|
| 1  | 1.05                         | >2h         |            |       | -40°C +55°C         |
| 2  | 1.2                          | <2h         |            |       |                     |
| 3  | 1.5                          | <4min       |            |       |                     |
| 4  | 7.2                          | 10A         | 2s<Tp≤ 10s | ≤ 63A |                     |
|    |                              | 10          | 4s<Tp≤ 10s | >63A  |                     |

2) Phase-losing motion time as shown table 2

Table 2

| No | Times of the setting current |               | Motion time | Ambient temperature |
|----|------------------------------|---------------|-------------|---------------------|
|    | Any two phase                | Another phase |             |                     |
| 1  | 1.0                          | 0.9           | >2h         | 20±5°C              |
| 2  | 1.15                         | 0             | <2h         |                     |



JDA-160

## Specification

| Type    | Rated current (A) | Setting range (A) |
|---------|-------------------|-------------------|
| JDA-40  | 40                | 0.7~2.8           |
|         |                   | 2.5~10            |
|         |                   | 10~40             |
| JDA-160 | 160               | 40~80             |
|         |                   | 80~160            |
| JDA-600 | 600               | 100~300           |
|         |                   | 200~600           |

## Outline and mounting dimension



JDA-600

