

1. Application

JRS1 series thermal relay is suitable for using in the circuits rated voltage up to 660V, rated current 80A, AC 50/60Hz, for over-current protection of AC motor. The relay has the differential mechanism and temperature compensation and can plug in CJX2 series AC contactor. The product conforms to IEC60947-4-1 standard.



2. Specification

2.1 Motion Characteristic: Three-phase Balance Motion Time

| No | Times of the setting current | Motion time | | | Start condition | Ambient temperature |
|----|------------------------------|-------------|---------------|------|---|---------------------|
| 1 | 1.05 | >2h | | | Cold state | 20±5°C |
| 2 | 1.2 | <2h | | | Heat state (Following the No.1 test) | |
| 3 | 1.5 | <4min | | | | |
| 4 | 7.2 | 10A | 2s < Tp ≤ 10s | ≤63A | Cold state | |
| | | 10 | 4s < Tp ≤ 10s | >63A | | |

2.2 Phase-losing Motion Characteristic

| No | Times of the setting current | | Motion time | Start condition | Ambient temperature |
|----|------------------------------|---------------|-------------|---|---------------------|
| | Any two phases | Another phase | | | |
| 1 | 1.0 | 0.9 | > 2h | Cold state | 20±5°C |
| 2 | 1.15 | 0 | < 2h | Heat state (Following the No.1 test) | |

2.3 Specification

| Type | Number | Setting range (A) | For contactor |
|-------|--------|-------------------|---------------|
| JRS1 | 09301 | 0.1~0.16 | CJX2-D09 |
| | 09302 | 0.16~0.25 | CJX2-D09 |
| | 09303 | 0.25~0.4 | CJX2-D09 |
| | 09304 | 0.4~0.63 | CJX2-D09 |
| | 09305 | 0.63~1 | CJX2-D09 |
| | 09306 | 1~1.6 | CJX2-D09 |
| | 09307 | 1.6~2.5 | CJX2-D09 |
| | 09308 | 2.5~4 | CJX2-D09 |
| | 09310 | 4~6 | CJX2-D09 |
| | 09312 | 5.5~8 | CJX2-D09 |
| | 09314 | 7~10 | CJX2-D12 |
| | 12316 | 10~13 | CJX2-D18 |
| | 16321 | 13~18 | CJX2-D18 |
| | 25322 | 18~25 | CJX2-D25 |
| | 40353 | 23~32 | CJX2-D32 |
| | 40355 | 30~40 | CJX2-D40 |
| | 63357 | 38~50 | CJX2-D50 |
| | 63359 | 48~57 | CJX2-D65 |
| | 63361 | 57~66 | CJX2-D80 |
| 80363 | 63~80 | CJX2-D80 | |