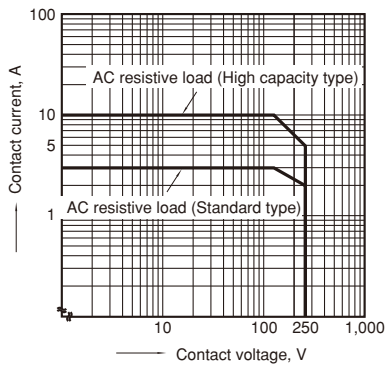


### 3. Expected electrical life

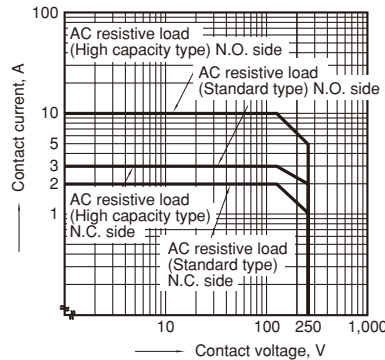
| Type               |          |      | Switching capacity                                          | No. of operations                                               |
|--------------------|----------|------|-------------------------------------------------------------|-----------------------------------------------------------------|
| Standard type      | 1 Form A |      | 5 A 125 V AC<br>3 A 125 V AC<br>2 A 250 V AC<br>5 A 30 V DC | $5 \times 10^4$<br>$2 \times 10^5$<br>$2 \times 10^5$<br>$10^5$ |
|                    | 1 Form C | N.O. | 5 A 125 V AC<br>3 A 125 V AC<br>2 A 250 V AC<br>3 A 30 V DC | $5 \times 10^4$<br>$2 \times 10^5$<br>$2 \times 10^5$<br>$10^5$ |
|                    |          | N.C. | 2 A 125 V AC<br>1 A 250 V AC<br>1 A 30 V DC                 | $2 \times 10^5$<br>$2 \times 10^5$<br>$10^5$                    |
|                    | 1 Form A |      | 10 A 125 V AC<br>5 A 250 V AC<br>5 A 30 V DC                | $5 \times 10^4$<br>$5 \times 10^4$<br>$10^5$                    |
| High capacity type | 1 Form C | N.O. | 10 A 125 V AC<br>5 A 250 V AC<br>5 A 30 V DC                | $5 \times 10^4$<br>$5 \times 10^4$<br>$10^5$                    |
|                    |          | N.C. | 3 A 125 V AC<br>2 A 250 V AC<br>1 A 30 V DC                 | $2 \times 10^5$<br>$2 \times 10^5$<br>$10^5$                    |
|                    | 1 Form A |      | 10 A 125 V AC<br>5 A 250 V AC<br>5 A 30 V DC                | $5 \times 10^4$<br>$5 \times 10^4$<br>$10^5$                    |
|                    | 1 Form C |      | 10 A 125 V AC<br>5 A 250 V AC<br>5 A 30 V DC                | $5 \times 10^4$<br>$5 \times 10^4$<br>$10^5$                    |

## REFERENCE DATA

1.-(1) Max. switching capacity (1 Form A type)



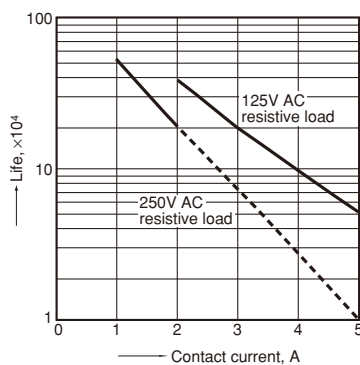
1.-(2) Max. switching capacity (1 Form C type)



### Standard type

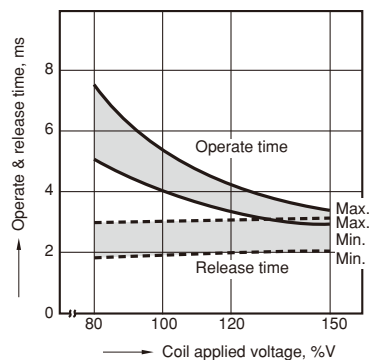
#### 2. Life curve

Ambient temperature: room temperature



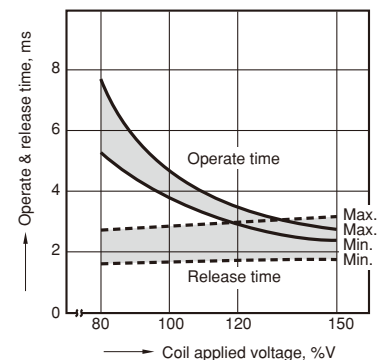
3.-(1) Operate & release time (1 Form A type)

Tested sample: JQ1a-12V-F, 25 pcs.



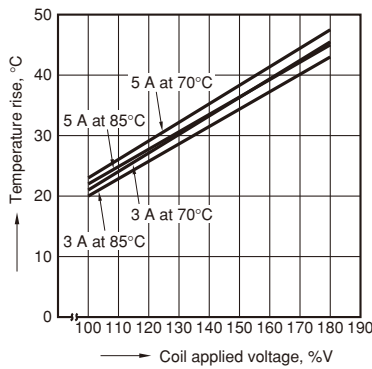
3.-(2) Operate & release time (1 Form C type)

Tested sample: JQ1-24V-F, 25 pcs.



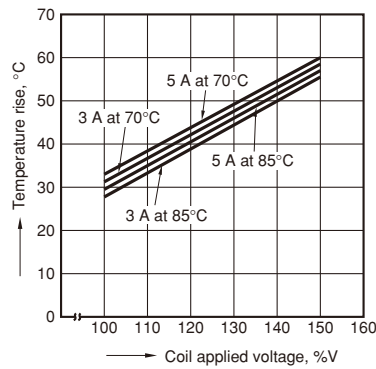
#### 4.-(1) Coil temperature rise (1 Form A type)

Contact carrying current: 3 A, 5 A  
Measured portion: Inside the coil



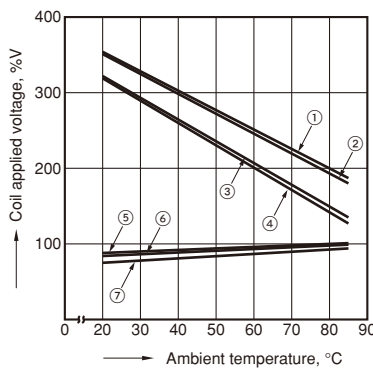
#### 4.-(2) Coil temperature rise (1 Form C type)

Contact carrying current: 3 A, 5 A  
Measured portion: Inside the coil



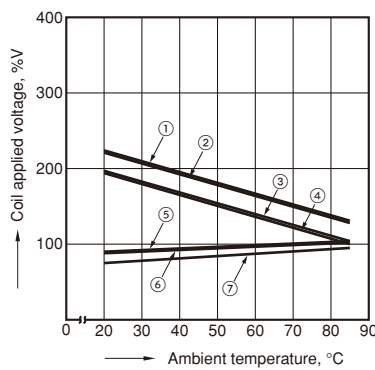
#### 5.-(1) Ambient temperature characteristics (1 Form A type)

Tested sample: JQ1a-24V-F  
Contact carrying current: 3 A, 5 A



#### 5.-(2) Ambient temperature characteristics (1 Form C type)

Tested sample: JQ1-24V-F  
Contact carrying current: 3 A, 5 A

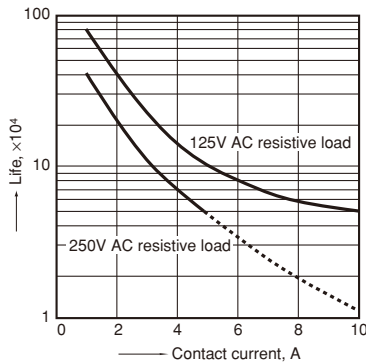


- ① Allowable ambient temperature against % coil voltage (max. inside the coil temperature set as 130°C 266°F) (Carrying current: 3 A)
- ② Allowable ambient temperature against % coil voltage (max. inside the coil temperature set as 130°C 266°F) (Carrying current: 5 A)
- ③ Allowable ambient temperature against % coil voltage (max. inside the coil temperature set as 115°C 239°F) (Carrying current: 3 A)
- ④ Allowable ambient temperature against % coil voltage (max. inside the coil temperature set as 115°C 239°F) (Carrying current: 5 A)
- ⑤ Pick-up voltage with a hot-start condition of 100%V on the coil (Carrying current: 5 A)
- ⑥ Pick-up voltage with a hot-start condition of 100%V on the coil (Carrying current: 3 A)
- ⑦ Pick-up voltage

### High capacity type

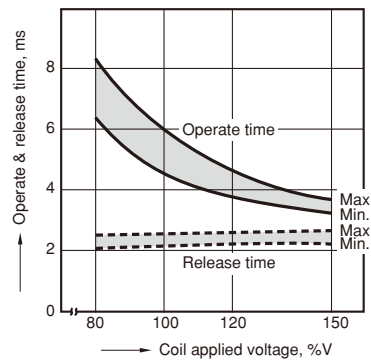
#### 1. Life curve

Ambient temperature: room temperature



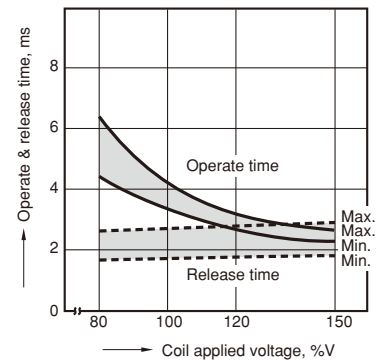
#### 2.-(1) Operate & release time (1 Form A type)

Tested sample: JQ1aP-12V-F, 25 pcs.



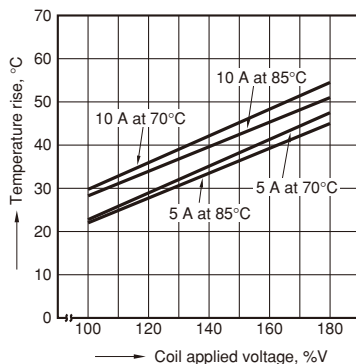
#### 2.-(2) Operate & release time (1 Form C type)

Tested sample: JQ1P-12V-F, 25 pcs.



#### 3.-(1) Coil temperature rise (1 Form A type)

Contact carrying current: 5 A, 10 A  
Measured portion: Inside the coil



#### 3.-(2) Coil temperature rise (1 Form C type)

Contact carrying current: 5 A, 10 A  
Measured portion: Inside the coil

