

SUBMINIATURE POWER RELAYS

JQC-3FF

Single-Pole, 10Amp, PC Board



- UL / CUR File No.E170653
- TUV Certificate No. R 2034012
- CQC CQC 03001002865
- SPST-NO & DPDT configuration
- Standard PC layout
- Sealed version available

■CONTACT DATA

| Arrangement | | 1 Form A | 1 Form C | | |
|---|------------|-----------------------|-----------------------|--|--|
| Initial Contact Resistance Max. (at 1A 24VDC) | | 100m | 100m | | |
| Contact Material | | Silver Alloy | Silver Alloy | | |
| Contact Rating (Res. Load) | | 15A 125VAC | 10A | | |
| | | | 277VAC/24VDC | | |
| Max. switching voltage | | 250VAC/30VDC | 250VAC/30VDC | | |
| Max. switching current | | 15A | | | |
| Max. switching power | | 2770VA 240W | 2770VA 240W | | |
| UL/CUR rating | | 15A 125VAC | 10A 120VAC | | |
| | | 10A 277VAC | 10A 277VAC | | |
| | | 12A 120VAC | | | |
| | | TV-5 120VAC | | | |
| TUV rating | | 12A 125VAC | 5A 250VAC | | |
| | | | | | |
| Expected | Mechanical | 1X10 ⁷ OPS | 1X10 ⁷ OPS | | |
| Life min. | Electrical | 1X10 ⁵ OPS | 1X10 ⁵ OPS | | |
| operations | | | | | |
| COIL | | | | | |
| Nominal coil power | | 360mW | 360mW | | |

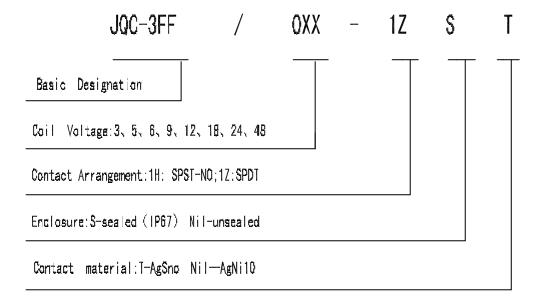
■ characteristics

| Initial Insulatio | n Resistance | 100 M 500VD | С |
|------------------------------|--------------|----------------------------|---|
| Dielectric Stre | ngth | | |
| Between coil a | nd Contacts | 1500Vrms 1 minute | |
| Between open | contacts | 750Vrms 1 minute | |
| Surge Voltage | between | No | |
| Contacts and | coil | | |
| | | | |
| Operate time (at nomi. Vot.) | | 10ms | |
| Release time (at nomi. Vot.) | | 5ms | |
| Temperature rise | | 60 | |
| (at nominal voltage) | | | |
| Shock | Functional | 98m/s ² (10g) | |
| Resistance | Destructive | 980m/s ² (100g) | ١ |
| Vibration Resistance | | 1.5mm 10 to 55Hz | |
| | | | |
| Humidity | | 35% to 85% RH | |
| Ambient temperature | | -40 to 70 | |
| Termination | | PC | |
| Unit weight | | 10g | |
| Construction | | Sealed & Unsealed | |
| | | | |

Coil Specifications

| Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Max allowable Voltage (at 20°C) | Coil Resistance Tolerance: ± 10% |
|---------------------------|---------------------------|----------------------------|---|--|
| 5 | 3.8 | 0.5 | 6.0 | 7 0 |
| 6 | 4.5 | 0.6 | 7.2 | 100 |
| 9 | 6.8 | 0.9 | 10.8 | 225 |
| 1 2 | 9.0 | 1.2 | 14.4 | 400 |
| 1 8 | 13.5 | 1.8 | 21.6 | 900 |
| 2 4 | 18.0 | 2.4 | 28.8 | 1600 |
| 4 8 | 36.0 | 4.8 | 57.6 | 6400 |

ORDERING INFORMATION



OUTLINE DIMENSIONS , WIRING DIAGRAM AND PC BOARD LAYOU

