



**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 277VAC 12A 120VAC TV-5 120VAC	10A 120VAC 10A 277VAC
TUV rating	12A 125VAC	5A 250VAC
Expected operations	Mechanical	1X10 <sup>7</sup> OPS
	Electrical	1X10 <sup>5</sup> OPS

■ characteristics

Initial Insulation Resistance	100 M 500VDC	
Dielectric Strength		
Between coil and Contacts	1500Vrms 1 minute	
Between open contacts	750Vrms 1 minute	
Surge Voltage between Contacts and coil	No	
Operate time (at nomi. Vot.)	10ms	
Release time (at nomi. Vot.)	5ms	
Temperature rise (at nominal voltage)	60	
Shock Resistance	Functional	98m/s <sup>2</sup> (10g)
	Destructive	980m/s <sup>2</sup> (100g)
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**

Nominal coil power	360mW	360mW
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**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	70
6	4.5	0.6	7.2	100
9	6.8	0.9	10.8	225
12	9.0	1.2	14.4	400
18	13.5	1.8	21.6	900
24	18.0	2.4	28.8	1600
48	36.0	4.8	57.6	6400



ORDERING INFORMATION

JQC-3FF	/	OXX	-	1Z	S	T
Basic Designation						
Coil Voltage: 3, 5, 6, 9, 12, 18, 24, 48						
Contact Arrangement: 1H: SPST-NO; 1Z: SPDT						
Enclosure: S-sealed (IP67) Nil-unsealed						
Contact material: T-AgSn Nil-AgNi10						

OUTLINE DIMENSIONS , WIRING DIAGRAM AND PC BOARD LAYOUT

