

JQC-3FG

SUBMINIATURE HIGH POWER RELAY



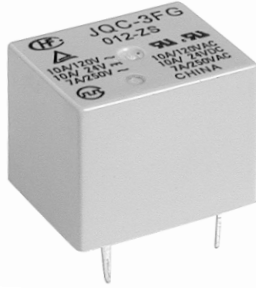
File No.:R2057142



File No.:E133481



File No.:CQC01001001952



Features

- * SPST-NO and SPDT configurations
- * Subminiature, standard PCB layout, low cost
- * Sealed and Unsealed types available

CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance	100m Ω(at 1A 6VDC)	
Contact Material	AgSnO type	Silver Alloy type
Contact Rating	10A 250VAC	7A 250VAC
Max. switching voltage	250VAC/24VDC	
Max. switching current	15A	
Max. switching power	2500VA	1750VA
UL/CUR rating	15A 120VAC/24VDC	10A 120VAC/24VDC
	10A 250VAC	7A 250VAC
TÜV rating	Silver alloy type: 10A 120VAC/24VDC	
	7A 250VAC	
Mechanical life	1 x 10 ⁷ OPS	
Electrical life	1 x 10 ⁵ OPS (ON/OFF = 1:9)	

COIL

Coil power	0.36W (48V:0.51W)
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	3.75	0.5	6.50	69 ± 10%
6	4.50	0.6	7.80	100 ± 10%
9	6.75	0.9	11.7	225 ± 10%
12	9.00	1.2	15.6	400 ± 10%
18	13.5	1.8	23.4	900 ± 10%
24	18.0	2.4	31.2	1600 ± 10%
48	36.0	4.8	62.4	4500 ± 10%

CHARACTERISTICS

Initial Insulation Resistance	100M Ω ,500VDC	
Dielectric Strength	Between coil and Contacts	1500VAC, 1min
	Between open contacts	750VAC, 1min
Operate time (at nomi. Volt.)	10ms	
Release time (at nomi. Volt.)	5ms	
Ambient temperature	-40 °C to 70°C	
Humidity	35 to 85%	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 10g	
Construction	Sealed and Unsealed	



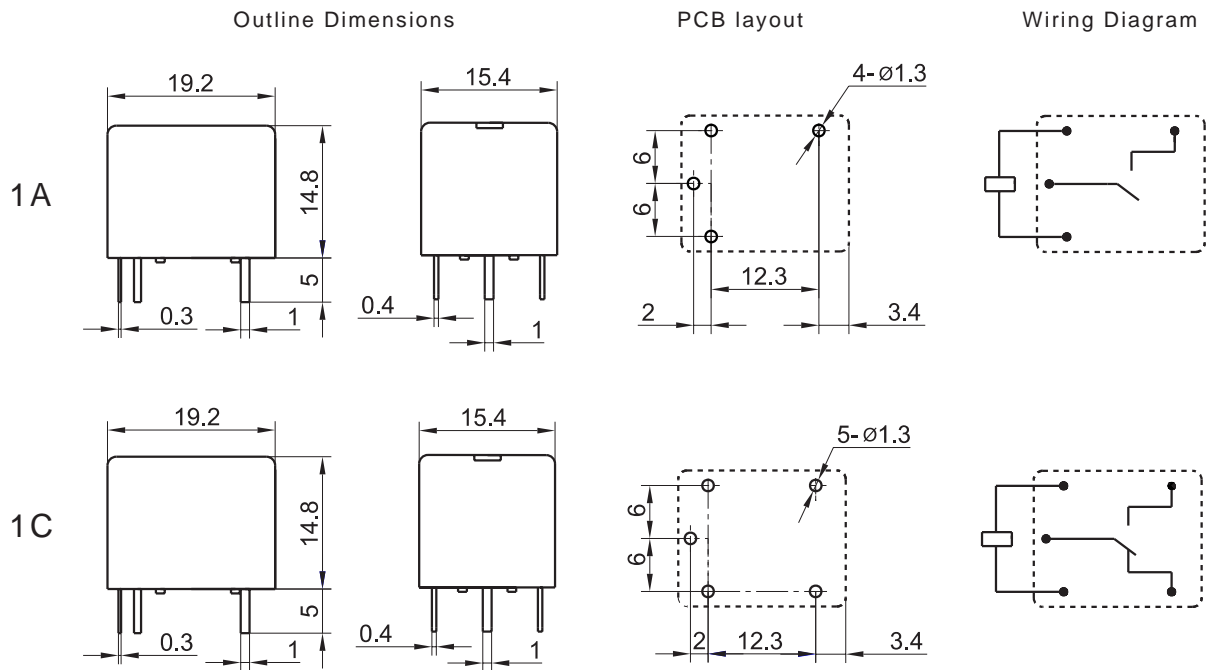
HONGFA RELAY
ISO9001/QS9000/ISO14000 CERTIFIED

VERSION: EN01-20020620

ORDERING INFORMATION

Type	JQC-3FG / 012	H	S	T
Coil voltage	5, 6, 9, 12, 18, 24, 48VDC			
Contact arrangement	H:1A(SPST-NO) Z:1C(SPDT)			
Structure	Nil: Unsealed S: Sealed			
Contact Material	T: AgSnO Nil: Silver alloy			

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

