

# JQC-3FG (HF3FG) SUBMINIATURE HIGH POWER RELAY



File No.:R2057142



File No.:E133481



File No.:CQC01001001952



## Features

- 1 From A and 1 From C configurations
- Subminiature, standard PCB layout, low cost
- Sealed IP67 and flux proof types available
- Environmental protection product available (RoHs & WEEE compliant)

## CONTACT DATA

Contact arrangement	1A	1C
Initial contact resistance Max.	100m Ω (at 1A 6VDC)	
Contact material	AgSnO <sub>2</sub>	AgCdO
Contact Rating	10A 250VAC	7A 250VAC
Max. switching voltage	250VAC/24VDC	
Max. switching current	15A	
Max. switching power	2500VA/240W	1750VA/168W
Mechanical life	1 x 10 <sup>7</sup> OPS	
Electrical life	1 x 10 <sup>5</sup> 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 25°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 (at 500VDC)	
Dielectric Strength	Between coil and contacts	1500VAC, 1min.
	Between open contacts	750VAC, 1min.
Operate time (at nomi. Volt.)	Max. 10ms	
Release time (at nomi. Volt.)	Max. 5ms	
Ambient temperature	-40 °C to +70°C	
Humidity	35% to 85%	
Shock resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Vibration resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 10g	
Construction	Sealed IP67 & Flux proof	

## SAFETY APPROVAL RATINGS

UL	AgSnO <sub>2</sub>	15A 120VAC 10A 250VAC 15A 24VDC
	AgCdO	10A 120VAC 10A 24VDC
TÜV	AgCdO	10A 120VAC 10A 24VDC



HONGFA RELAY

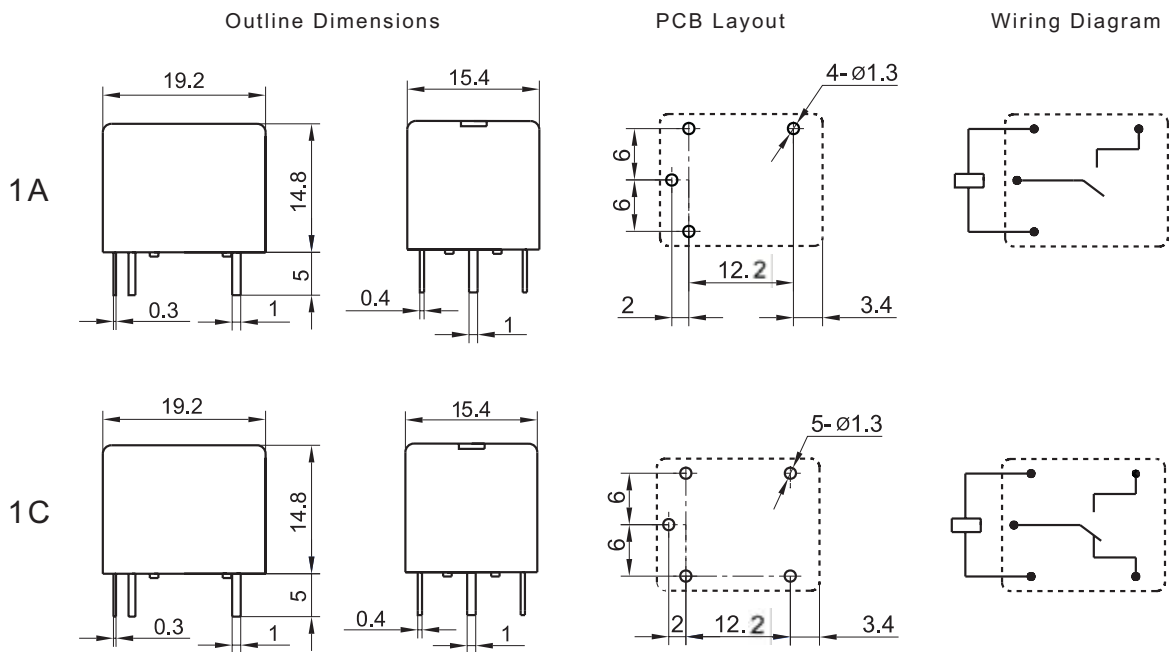
ISO9001、ISO/TS16949、ISO14001、OHSAS18001 CERTIFIED

VERSION: EN03-20050301

## ORDERING INFORMATION

Type	JQC-3FG / 012 H S T XXX
Coil voltage	5, 6, 9, 12, 18, 24, 48VDC
Contact arrangement	H:1A(SPST-NO) Z:1C(SPDT)
Structure	S: Sealed IP67 Nil: Flux proof
Contact material	T: AgSnO <sub>2</sub> Nil: AgCdO
Special request code	( For example: 551: Lead-free 555: RoHs & WEEE compliant )

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



## CHARACTERISTICS CURVE

