

JQC-7FD

SUBMINIATURE HIGH POWER RELAY



File No.:E133481



File No.: 40008374



Features

- 1A & 1C configuration
- High performance / Low profile
- Dielectric strength coil to contacts 2500V
VDE 0631 / 0700
- Flammability class according to UL94,V-0
- CTI 250

CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance	100m Ω (at 1A 24VDC)	
Contact Material	AgCdO,AgSnO ₂	
Contact Rating	10A / 250VAC	NO:10A /250VAC NC: 7A/ 250VAC
Max. switching voltage	250VAC/30VDC	
Max. switching current	10A	
Max. switching power	2500VA 300W	2500VA 210W
Mechanical life	1 x 10 ⁷ OPS	
Electrical life	1 x 10 ⁵ OPS	

CHARACTERISTICS

Initial Insulation Resistance		100M Ω (500VDC)
Dielectric Strength	Between coil and Contacts	2500VAC,1sec. 2000VAC, 1min.
	Between open contacts	750VAC, 1min.
Operate time (at nomi. Volt.)		Max. 10ms
Release time (at nomi. Volt.)		Max. 5ms
Temperature rise (at nomi. Volt.)		60°C
Humidity		35 to 85%RH
Shock Resistance	Functional	98 m/s ²
	Destructive	980 m/s ²
Ambient temperature		-40°C to +85°C
Vibration Resistance		1.5mm, 10 to 55Hz
Termination		PCB
Unit weight		Approx. 14g
Construction		Sealed IP67 & Unsealed

COIL

Coil power	360mW
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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
3	2.3	0.3	3.9	25 ± 10%
5	3.80	0.5	6.5	70 ± 10%
6	4.50	0.6	7.8	100 ± 10%
9	6.80	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	6200 (6400available) ± 10%

SAFETY APPROVAL RATINGS

UL	1A	10A 277VAC @85°C 10A 28VDC @85°C
	1C	12A 125VAC @85°C 7A 250VAC @85°C 7A 28VDC @85°C
VDE	1A	10A 250VAC @85°C
	1C	NC: 7A 250VAC @85°C NO:10A 250VAC @85°C



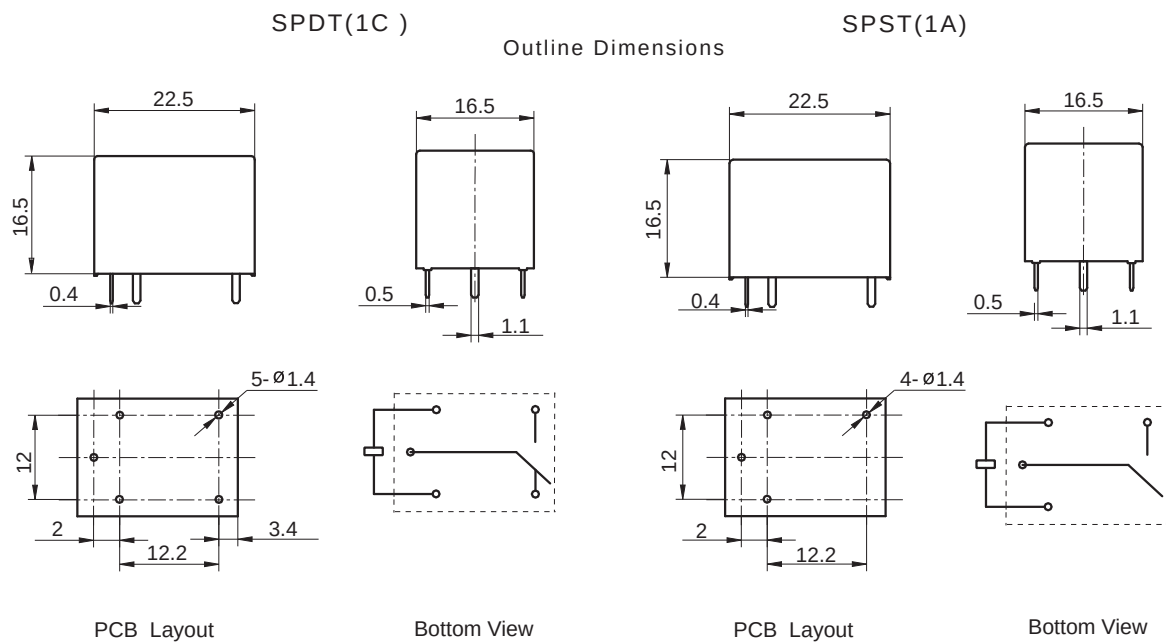
HONGFA RELAY
ISO9001*ISO/TS16949 *ISO14001 CERTIFIED

VERSION: EN02-20040601

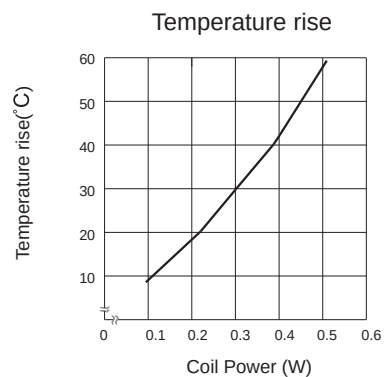
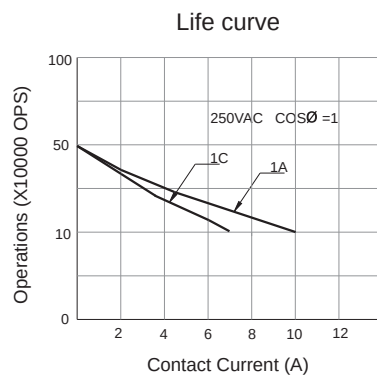
ORDERING INFORMATION

Type	JQC-7FD /	012	1H	S	T	F	XXX
Coil voltage	5, 6, 9, 12, 18, 24, 48VDC						
Contact arrangement	1H:1 Form A 1Z:1 Form C						
Structure	S: Sealed IP67 Nil: Unsealed						
Contact Material	T: AgSnO ₂ Nil: AgCdO						
Insulation Standard	F: Class F Nil: Class B						
Customer special request code:	(For example: 610- white cover)						

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE



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