

JZC-43F

SUBMINIATURE INTERMEDIATE POWER RELAY



File No.: E133481



File No.: 40002220



File No.:CQC02001001935



Features

- Extremely small footprint utilizing PCB area
- Provides 10-KV impulse withstand voltage (Coil to Contact)
- Highly efficient magnetic circuit for high
- sensitivity(200 mw)

CONTACT DATA

Contact Arrangement	1A
Initial Contact Resistance Max.	100mΩ (at 1A/ 24VDC)
Contact Material	See ordering info.
Contact Rating (Res. Load)	3A 250VAC, 3A 30VDC
Max. switching voltage	277VAC, 30VDC
Max. switching current	5A
Max. switching power	831VA, 90W
Mechanical life	10 ⁷ OPS
Electrical life	1 x 10 ⁵ OPS (at 3A, 250VAC) 2 x 10 ⁵ OPS (at 3A 125VAC,3A 30VDC) 5 x 10 ⁴ OPS (at 5A, 250VAC)

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ 500VDC
Dielectric Strength	Between coil and Contacts	4000VAC 1min
	Between open contacts	750VAC 1min
Surge Voltage between Contacts and coil		10KV (1.2X50μs)
Operate time (at nomi. Volt.)		Max. 10ms
Release time (at nomi. Volt.)		Max. 10ms
Temperature rise (at nomi. Volt.)		45°C
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance		1.5mm, 10 to 55Hz
Humidity		35% to 85%
Ambient temperature		-40°C to +85°C
Termination		PCB
Unit weight		Approx. 4g
Construction		Sealed IP67

COIL

Coil power	200mW
Coil Voltage	4.5 to 24VDC
Coil Resistance	See table

COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
4.5	3.38	0.23	5.85	101 ± 10%
5	3.75	0.25	6.50	125 ± 10%
6	4.50	0.30	7.80	180 ± 10%
9	6.75	0.45	11.7	405 ± 10%
12	9.00	0.60	15.6	720 ± 10%
18	13.5	0.90	23.4	1620 ± 10%
24	18.0	1.20	31.2	2880 ± 10%

SAFETY APPROVAL RATINGS

UL	3A 250VAC 3A 30VDC 3A 125VAC
VDE	3A 250VAC 5A 250VAC



HONGFA RELAY
 ISO9001、ISO/TS16949、ISO14001 CERTIFIED

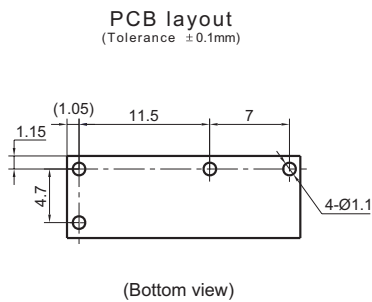
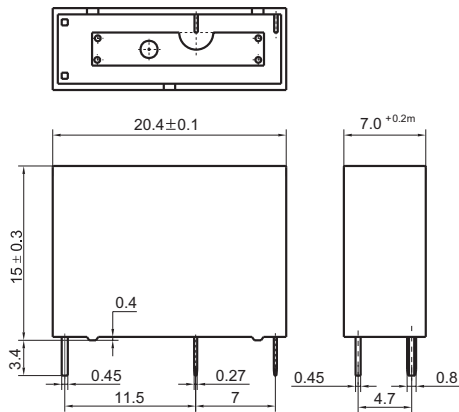
VERSION: EN02-20040601

ORDERING INFORMATION

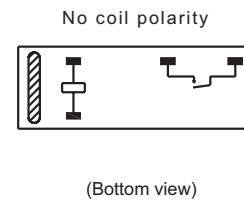
Type	JZC-43F / 012	H	S	T
Coil voltage	4.5, 5, 6, 9, 12, 18, 24VDC			
Contact arrangement	1H:1 Form A			
Structure	S: Sealed IP67			
Contact material	2:AgCdO T: AgSnO ₂ G: Au plated Nil:AgNi			

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



Wiring Diagram



CHARACTERISTICS CURVE

