

JZC-33F

SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:E133481



File No.:125661



File No.:CQC02001001949



Features

- 10A switching capabilities
- SPST-NO and SPDT configurations
- Subminiature, standard PC layout
- Sealed and Unsealed types available
- Creepage distance:8mm (both for 1 CO and NO)
- Clearance distance:NO type 4.5mm
1CO type 4mm

CONTACT DATA

Contact Arrangement	1A, 1C		
Initial Contact Resistance Max.	100mΩ (at 1A 24VDC)		
Contact Material	AgCdO		
Contact Rating (Res. Load)	1A	1C	
	5A 250VAC	5A 250VAC	3A 250VAC
	5A 30VDC	5A 30VDC	3A 30VDC
	10A 125VAC	10A 125VAC	
Max. switching current	10A	3A	
Max. switching power	1250VA/150W	750VA/90W	
Max. switching voltage	277VAC/30VDC		
Mechanical life	1x 10 ⁷ OPS		
Electrical life	1 x 10 ⁵ OPS		

COIL DATA

Standard Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.25	0.15	3.9	20 ± 10%
5	3.75	0.25	6.5	55 ± 10%
6	4.50	0.30	7.8	80 ± 10%
9	6.75	0.45	11.7	180 ± 10%
12	9.00	0.60	15.6	320 ± 10%
18	13.5	0.90	23.4	720 ± 10%
24	18.0	1.20	31.2	1280 ± 10%
48	36.0	2.40	62.4	5120 ± 10%

Sensitive Type (SPST-NO Only)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.25	0.15	4.5	45 ± 10%
5	3.75	0.25	7.5	125 ± 10%
6	4.50	0.30	9.0	180 ± 10%
9	6.75	0.45	13.5	400 ± 10%
12	9.00	0.60	18.0	720 ± 10%
18	13.5	0.90	27.0	1600 ± 10%
24	18.0	1.20	36.0	2800 ± 10%

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ 500VDC	
Dielectric Strength	Between coil and Contacts	4000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)	8ms	
Release time (at nomi. Volt.)	5ms	
Ambient temperature	-40°C to +70°C	
Humidity	35 to 95%	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.6mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 7g	
Construction	Sealed & Unsealed	

COIL

Coil power	Standard:0.45W, Sensitive:0.2W
------------	--------------------------------

SAFETY APPROVAL RATINGS

UL	1 Form A :	5A 250VAC/30VDC 8A 250VDC 10A 250VAC
	1 Form C :	3A 250VDC 3A 30VAC
VDE	1 Form A :	5A 250VAC
	1 Form C :	3A 250VAC



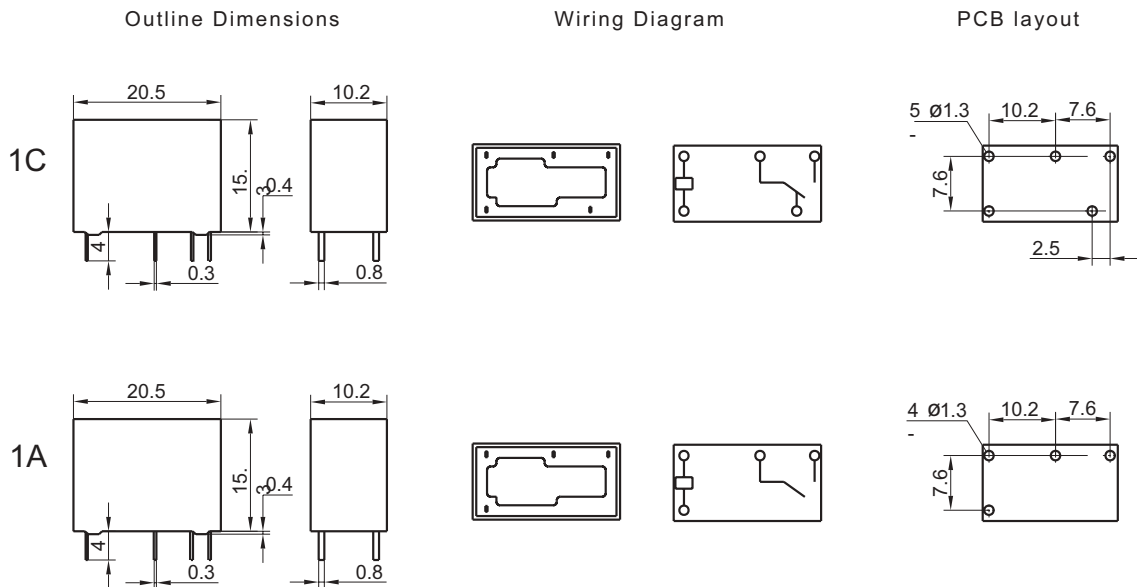
ISO9001/QS9000/ISO14001 CERTIFIED

VERSION: EN01-20030715

ORDERING INFORMATION

Type	JZC-33F / 012 H S L
Coil voltage	3, 5, 6, 9, 12, 18, 24, 48VDC
Contact arrangement	H:1 Form A Z:1 Form C
Structure	Nil:Unsealed S:Sealed
Coil Power	L: Sensitive (SPST-NO Only) Nil: Standard

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



General Purpose Power Relays JZC-33F

CHARACTERISTICS CURVE

