

JZC-32F

SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:E134517



File No.:115366



File No.:CQC02001001942



Features

- 5A,10A switching capability
- SPST-NO and SPDT configurations
- Subminiature, standard PCB layout
- Sealed IP67 and Flux proof types available

CONTACT DATA

Contact Arrangement	1A, 1C		
Initial Contact Resistance Max.	100mΩ (at 1A 24VDC)		
Contact Material	Silver Alloy		
	SPST-NO		SPDT
Contact Rating (Res. Load)	Standard H: 5A 250VAC 5A 30VDC 10A 125VAC	Sensitive HL: 3A 250VAC 3A 30VDC HLQ: 8A 250VAC	Standard 3A 250VAC 3A 30VDC
Max. switching voltage	250VAC/30VDC		
Max. switching current	10A		
Max. switching power	1250VA/150W		
Mechanical life	1x 10 ⁷ ops		
Electrical life	1 x 10 ⁵ ops		

CHARACTERISTICS

Initial Insulation Resistance	100MΩ 500VDC	
Dielectric Strength	Between coil and Contacts	2500VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)	Max. 8ms	
Release time (at nomi. Volt.)	Max. 5ms	
Ambient temperature	Standard	-40°C to +70°C
	High Capacity	-40°C to +60°C
Humidity	35% to 95%	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 6g	
Construction	Sealed IP67&Flux proof	

COIL

Coil power	Standard:0.45W Sensitive:0.2W
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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%



SAFETY APPROVAL RATINGS

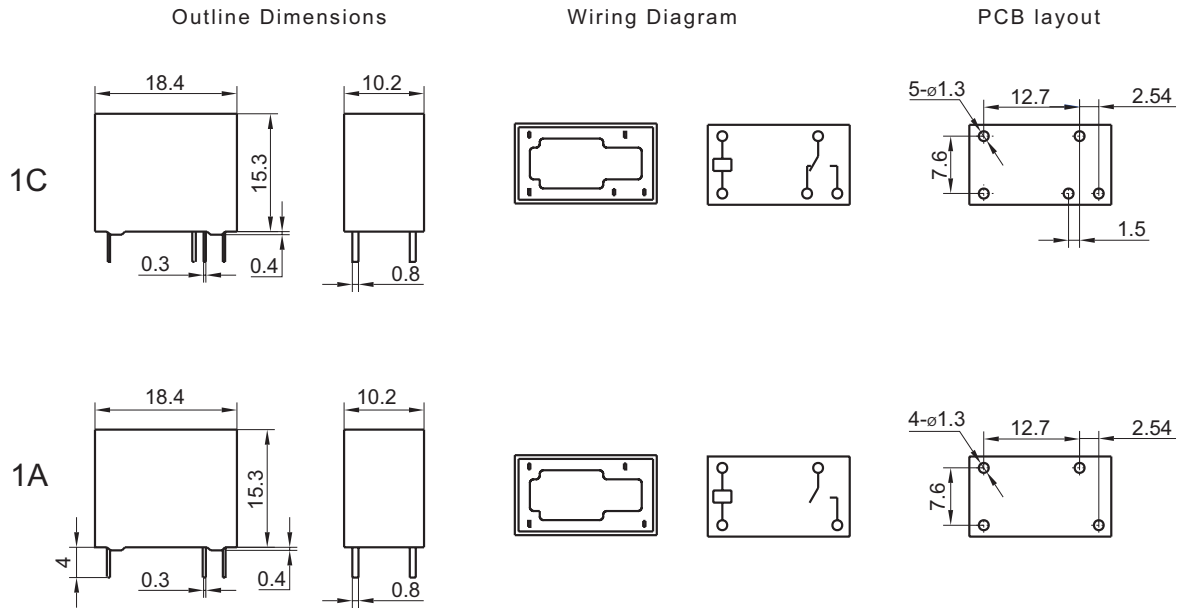
UL	1 Form A	H: 5A 250VAC /30VDC @70°C 10A 125VAC @70°C 1/10hp,125VAC @70°C 1/6hp,250VAC @70°C 10LRA /1.5FLA,120VAC @70°C
	1 Form C	HL: 3A 250VAC /30VDC @70°C 5A 125VAC @70°C
VDE	1 Form A	3A 250VAC/30VDC @70°C
	1 Form C	H: 5A 250VAC /30VDC @70°C HL: 3A 250VAC /30VDC @70°C
	1 Form C	3A 250VAC/30VDC @70°C

ORDERING INFORMATION

Type	JZC-32F / 012 H S L Q
Coil voltage	3, 5, 6, 9, 12, 18, 24,48VDC
Contact arrangement	H:1Form A Z:1Form C
Structure	S: Sealed IP67 Nil: Flux proof
Coil Power	L: Sensitive (SPST-NO only) Nil: Standard
Contact Capacity	Q: High Capacity (SPST-NO Sensitive type only) Nil: Standard

Note: Sensitive type only suit for SPST-NO
For Q type, 48VDC coil voltage no UL & VDE approval

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

