



ISO9001 Certified

SUBMINIATURE POWER RELAY

Single-Pole, PC Board

JZC-33F



- UL & CUR file No.: E133481
- VDE file No: 125661
- 10A switching capabilities
- SPST-NO and SPDT configurations
- Subminiature, standard PC layout

■ CONTACT DATA

Arrangement	SPST-NO, SPDT		
Initial Contact Resist. Max. (at 1A 24VDC)	100m Ω		
Contact Material	Silver alloy		
Contact Rating (Res. Load)	SPST-NO	SPDT	
	5A 250VAC	NO	NC
	5A 30VDC	5A 250VAC	3A 250VAC
	10A 125VAC	5A 30VDC	3A 30VDC
		10A 125VAC	
Max. switching current	10A		3A
Max. switching power	1250VA / 150W		750VA / 90W
Max. switching voltage	277VAC / 30VDC		
UL/CUR rating	5A 250VAC / 30VDC		3A 250VAC
	8A 250VAC		3A 30VDC
	10A 250VAC Cosφ=0.4		
VDE rating	5A 250VAC		3A 250VAC
Mechanical life	10,000,000 ops		
Electrical life	100,000 ops		

■ SPECIFICATION

Initial Insulation Resistance	1000M Ω, 500VDC	
Dielectric Strength	Between coil and Contacts	4000VAC, 1minute
	Between open contacts	1000VAC, 1minute
Surge Voltage between Contacts and coil	8000V	
Operate time (at Nomi. Volt.)	8ms	
Release time (at Nomi. Volt.)	5ms	
Ambient temperature	-40 to +70°C	
Humidity	35 to 95%	
Shock Resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration Resistance	1.6mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 7g	
Construction	Sealed and Unsealed	

■ COIL

Nominal coil power	Standard:0.45W, Sensitive:0.2W
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■ TABLE

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Ω	
				Standard	Sensitive
3	2.25	0.15	3.9	20±10%	45±10%
5	3.75	0.25	6.5	55±10%	125±10%
6	4.5	0.3	7.8	80±10%	180±10%
9	6.75	0.45	11.7	180±10%	400±10%
12	9.0	0.6	15.6	320±10%	720±10%
18	13.5	0.9	23.4	720±10%	1600±10%
24	18	1.2	31.2	1280±10%	2800±10%
48	36	2.4	62.4	5120±10%	

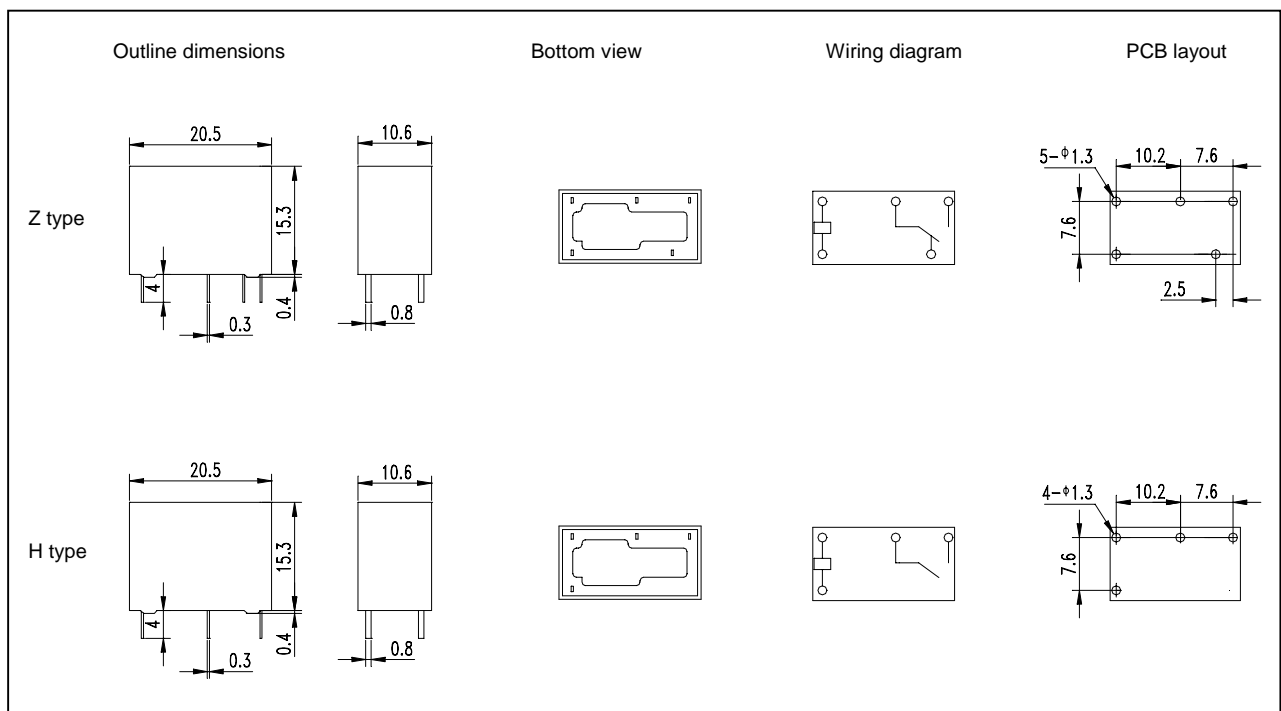
■ ORDERING INFORMATION

JZC-33F — **012** — **H** **S** **L**

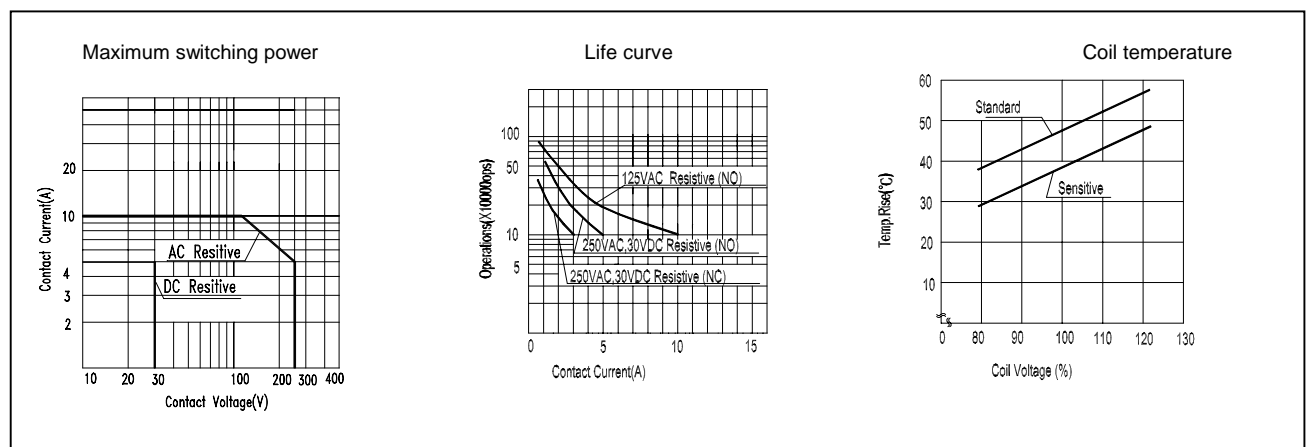
Coil voltage	Contact arrangement	Classification of type	Sensitivity
3,5,6,9,12,18, 24、48VDC	H: SPST-NO Z: SPDT	S: Sealed Nil: Unsealed	L: Sensitive * Nil: Standard

* Note: Sensitive type only suit for SPST-NO

■ OUTLINE DIMENSIONS , WIRING DIAGRAM AND PC BOARD LAYOUT



■ USEFUL CURVES



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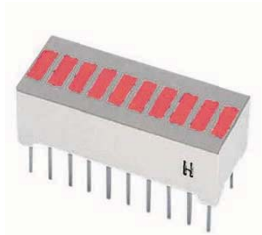
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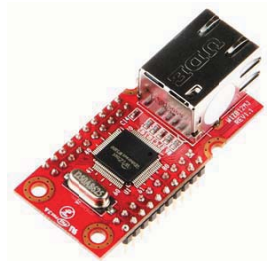
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LCD+Keyboard Shield



10-Segments LED Bar Display



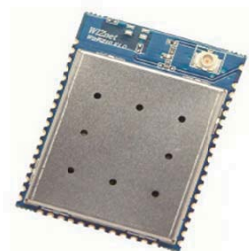
Ethernet Module



Arduino Uno



MicroSD Breakout Board



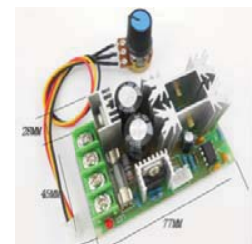
WiFi Module



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Stepper Motor Driver



PWM Motor Speed Controller



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