

JZX-140FF

MINIATURE INTERMEDIATE POWER RELAY



File No.:E134517



File No.:R9659298



File No.:CQC02001001940



Features

- 10A switching capability
- DPST-NO and DPDT configurations
- 5KV dielectric between coil to contacts
- Sealed IP67 & Unsealed types available
- 1.5mm contact gap available

CONTACT DATA

Contact Arrangement	2A, 2C
Initial Contact Resistance Max.	50mΩ (at 1A 24VDC)
Contact Material	AgCdO,AgSnO ₂
Contact Rating (Res. Load)	5A 250VAC
	10A 250VAC
	8A 30VDC
Max. switching voltage	250VAC/30VDC
Max. switching current	10A
Max. switching power	2500VAC/240W
Mechanical life	1 x 10 ⁷ OPS,W type: 5X10 ⁶ OPS
Electrical life	1 x 10 ⁵ OPS

COIL

Coil power	0.55W	W type: 0.8W
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SAFETY APPROVAL RATINGS

UL	10A 250VAC
	10A 30VDC
	8A 30VDC
	TV-3, 125VAC
	1/4 HP 240VAC
1/8HP 120VAC	
Tüv	5A 250VAC
	5A 30VDC

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ, 500 VDC	
Dielectric Strength	Between coil and contacts	5000VAC 1min.
	Between contacts sets	3000VAC 1min.
	Between open contacts	Not W type:1000VAC 1min. W type:3000VAC 1min.
Surge Voltage between contacts and coil	10000V(at 1.2 x 50 μs)	
Operate time (at nomi. Volt.)	Max. 15ms	
Release time (at nomi. Volt.)	Max. 5ms	
Humidity	98%, +40°C	
Ambient temperature	-40°C to +70°C	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.5mm, 10 to 55Hz	
Termination	PCB	
Unit weight	Approx. 18g	
Construction	Sealed IP67 & Unsealed	



HONGFA RELAY
ISO9001、ISO/TS16949、ISO14001 CERTIFIED

VERSION: EN02-20040601

COIL DATA

Not W 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	0.3	3.9	17 ± 10%
5	3.75	0.5	6.5	47 ± 10%
6	4.50	0.6	7.8	68 ± 10%
9	6.75	0.9	11.7	160 ± 10%
12	9.00	1.2	15.6	275 ± 10%
18	13.5	1.8	23.4	650 ± 10%
24	18.0	2.4	31.2	1100 ± 10%
48	36.0	4.8	62.4	4170 ± 10%
60	45.0	6.0	78.0	7000 ± 10%

W 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	0.3	3.9	11.3 ± 10%
5	3.75	0.5	6.5	31 ± 10%
6	4.50	0.6	6.6	45 ± 10%
9	6.75	0.9	9.9	101 ± 10%
12	9.00	1.2	13.2	180 ± 10%
18	13.5	1.8	19.8	405 ± 10%
24	18.0	2.4	26.4	720 ± 10%
48	36.0	4.8	52.8	2880 ± 10%
60	45.0	6.0	66.0	4500 ± 10%

Note:1. When require pick-up voltage < 75% of nominal voltage, special order allowed.

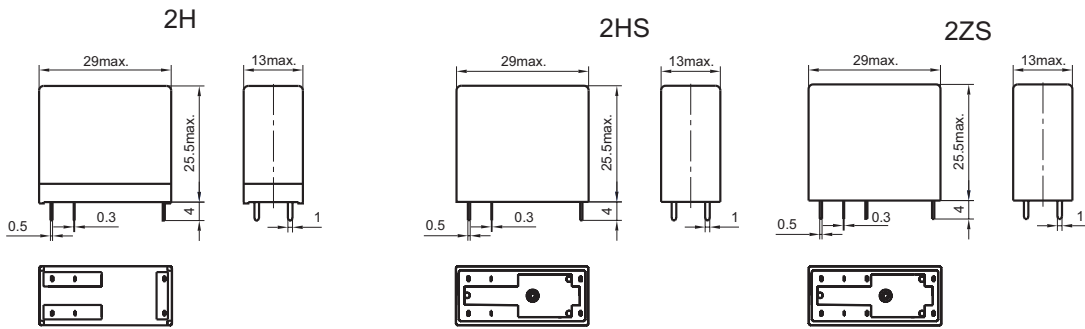
ORDERING INFORMATION

JZX-140FF /		012	2H	S	W	T	G	F	XXX
Type									
Coil voltage	3,5,6,9,12,18,24, 48, 60VDC								
Contact arrangement	2H: 2 Form A 2Z: 2 Form C								
Structure	S: Sealed IP67 Nil: Unsealed								
Contact Gap:	W: 1.5mm (DPST only)* Nil: Standard								
Contact material	T: AgSnO ₂ 3: AgNi Nil: AgCdO								
Contact Plating	G: Gold Plating Nil: No Plating								
Insulation System	F: Class F Nil: Class B								
Customer special code									

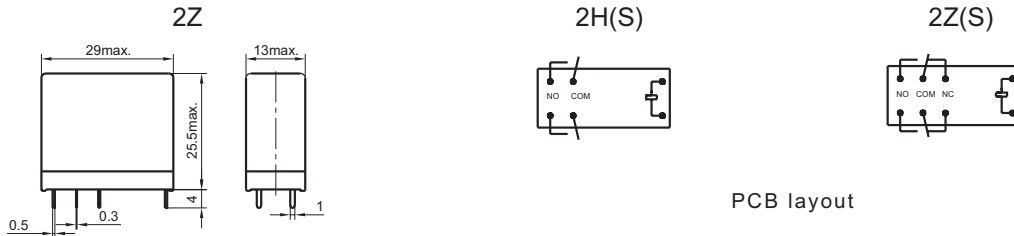
Note: Standard version is with black cover. Smoke dust cover is available.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



Wiring Diagram



PCB layout



CHARACTERISTICS CURVE

