

JQX-115F

MINIATURE HIGH POWER RELAY



File No.:15008



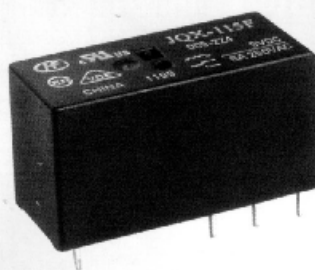
File No.:E133481



File No.:116934



File No.:CH0031853-99



Features

- Low height 15.7 mm
- 16A switching capabilities
- 1&2 pole configurations
- 5KV dielectric coil to contacts
- Creepage distance 10mm
- Sealed & unsealed type available

CONTACT DATA

Contact Arrangement	1A, 1B, 1C	2A, 2B, 2C
Initial Contact Resistance Max.	50mΩ(at 1A 6VDC)	
Contact Material	Silver alloy	
Contact Rating (Res. Load)	12A/ 16A 250VAC 10A/ 24VDC	8A 250VAC 8A 24VDC
Max. switching voltage	440VAC	
Max. switching current	16A	8A
Max. switching power	3000VA/ 4000VA	2000VA
UL/CUR rating	16A	277VAC
	12A	277VAC
	8A	277VAC
VDE rating	16A	250VAC
	12A	250VAC
	8A	250VAC
Mechanical life	1 x 10 ⁷ OPS	
Electrical life	1 x 10 ⁵ OPS	

COIL

Coil power	0.4W
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Current (at 20°C) mA	Coil Resistance Ω
5	3.50	0.5	80.0	62 ± 10%
6	4.20	0.6	66.7	90 ± 10%
12	8.40	1.2	33.3	360 ± 10%
24	16.80	2.4	16.7	1,440 ± 10%
48	33.60	4.8	8.30	5,760 ± 15%
60	42.00	6.0	8.00	7,500 ± 15%
110	77.00	11.0	4.30	25,200 ± 15%

CHARACTERISTICS

Initial Insulation Resistance	1000M Ω (500 VDC)	
Dielectric Strength	Between coil and Contacts	5,000VAC 1min.
	Between open contacts	1,000VAC 1min.
Strength	Between contact sets	2,500 VAC 1min.
Operate time (at nomi. Volt.)	7ms	
Release time (at nomi. Volt.)	3ms	
Temperature rise (at nomi. Volt.)	55°C	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000m/s ²
Vibration Resistance	10 to150 Hz 10g/5g	
Humidity	35% to 85%	
Ambient temperature	-40°C to +70°C	
Termination	PCB	
Unit weight	13.5g	
Construction	Sealed & Unsealed	



HONGFA RELAY

ISO9001/QS9000/ISO14000 CERTIFIED

Type

Coil voltage 5, 6, 12, 24, 48, 60, 110VDC

Contact arrangement 1H: 1 Form A 1D: 1 Form B 1Z: 1 Form C
2H: 2 Form A 2D: 2 Form B 2Z: 2 Form C

Structure Nil: Unsealed **S:** Sealed

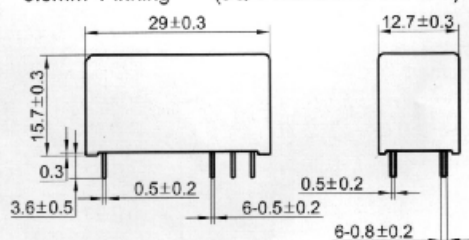
Version	1: 3.5mm 1 pole 12A, 2: 5.0mm 1 pole 12A 3: 5.0mm 1 pole 16A, 4: 5.0mm 2 pole 8A
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Contact Material A: AgSnO₂, B: AgNi10, Nil: AgCdO12

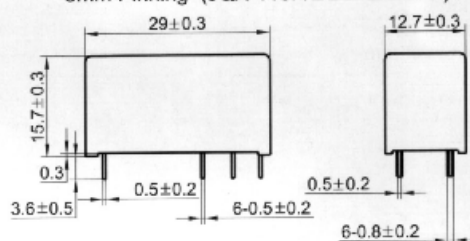
Insulation Standard NIL: Class B 130°C F: Class F 155°C

Outline Dimensions

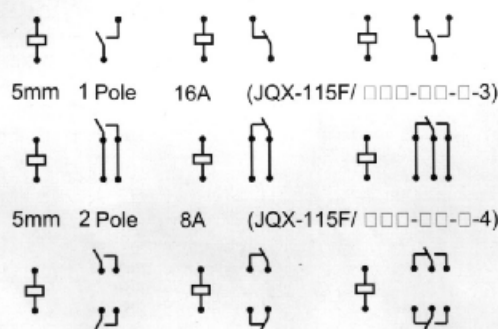
3.5mm Pinning (JQX-115F/□□□-□□-□-1)



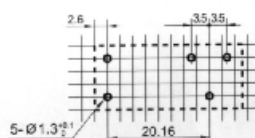
5mm Pinning (JQX-115F/□□□-□□-□-□)



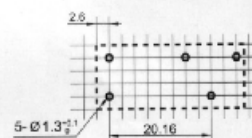
3.5/5mm 1 Pole 12A (JQX-115F/ □□□-□□-□-1)
(JQX-115F/ □□□-□□-□-2)

 $(T=2.52\pm0.02\text{mm})$

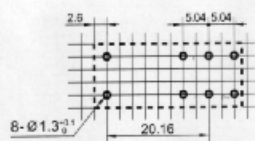
3.5mm 1 Pole 12A



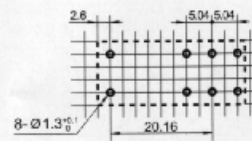
5mm 1 Pole 12A



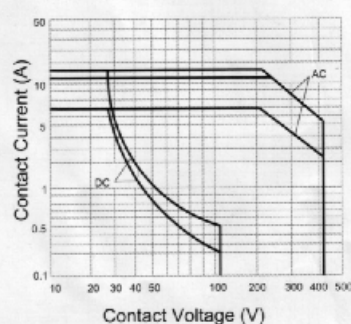
5mm 1 Pole 16A



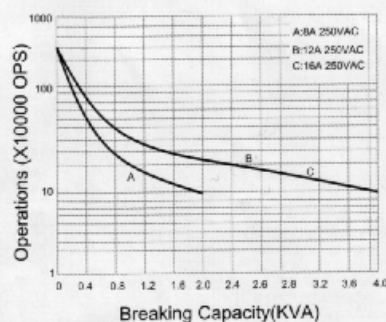
5mm 2 Pole 8A



MAXIMUM SWITCHING POWER



LIFE CURVE



COIL OPERATING RANGE(DC)

