JQX-115F

MINIATURE HIGH POWER RELAY



File No.:15008





Electrical life

File No.:116934



1 x 10⁵ ops

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	8A 250VAC
	10A/ 24VDC	8A 24VDC
Max. switching voltage		440VAC
Max. switching current	16A	8A
Max. switching power	3000VA/ 4000VA	2000VA
UL/CUR rating	16	6A 277VAC
	12	2A 277VAC
	8	BA 277VAC
VDE rating	16	6A 250VAC
	12	2A 250VAC
	8	BA 250VAC
Mechanical life		1 x 10 ⁷ OPS

File No.:CH0031853-99

CHARACTERISTICS					
Initial Insulation Resistance		1000MΩ (500 VDC)			
D: 1	Between coil and Contacts		5,000VAC 1min.		
Dielectric	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			
Objects Descriptions	iotonoo	Functional	100 m/s ²		
Shock Resistance		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			

COIL	
Coil power	0.4W

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%		



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

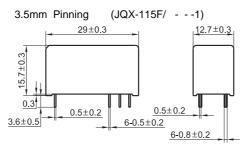
Version 1: 3.5mm 1 pole 12A, 2: 5.0mm 1 pole 12A 3: 5.0mm 1 pole 16A, 4: 5.0mm 2 pole 8A

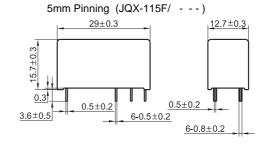
Contact Material A: AgSnO₂, B: AgNi10, Nil: AgCdO12

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

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



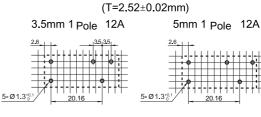


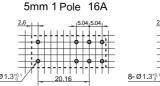
3.5/5mm 1 Pole 12A $\frac{(JQX-115F/----1)}{(JQX-115F/---2)}$

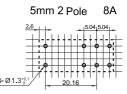
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 1
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5mm 1 Pole 16A (JQX-115F/ - - -3)

+ , + , + ,







Α

CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER

