

JQX-37F

MINIATURE HIGH POWER RELAY

CULUS

File No.:E134517

CQC

File No.:CQC02001001955



Features

- * 30 A switching capabilities
- * SPST-NO configurations
- * Withstands inrush current of 70 A
- * TV-15 at 120VAC

CONTACT DATA

Contact Arrangement	1A
Initial Contact Resistance Max.	30mΩ (at 1A 6VDC)
Contact Material	AgSnO,AgCdO
Contact Rating (Res. Load)	30A 250VAC, 2HP 250VAC
Max. switching voltage	250VAC
Max. switching current	30A
Max. switching power	7500VA
Mechanical life	5 x 10 ⁶ OPS
Electrical life	1 x 10 ⁵ OPS (30A 250VAC)
	2 x 10 ⁵ OPS (2HP 250VAC)

COIL

Coil power	1.2W
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	3.50	0.50	6.0	20 ± 10%
6	4.20	0.60	7.2	30 ± 10%
9	6.30	0.90	10.8	67 ± 10%
12	8.40	1.20	14.4	120 ± 10%
24	16.8	2.40	28.8	480 ± 10%
48	33.6	4.80	57.6	1920 ± 10%
60	42.0	6.00	72.0	3000 ± 10%

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ, 500VDC
Dielectric Strength	Between coil and Contacts	4000VAC 1min.
	Between open contacts	1200VAC 1min.
Operate time (at nomi. Volt.)		Max. 20ms
Release time (at nomi. Volt.)		Max. 5ms
Temperature rise (at nomi. Volt.)		Max. 60°C
Shock Resistance	Functional	200 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance		1.5mm, 10 to 55Hz
Ambient temperature		-40°C to +70°C
Humidity		35% to 95%, +40°C
Termination		QC
Unit weight		Approx. 55g
Construction		Dust cover

SAFETY APPROVAL RATINGS

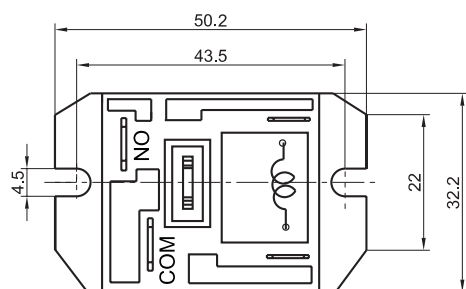
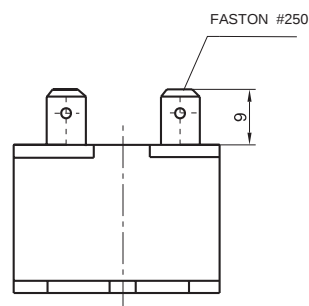
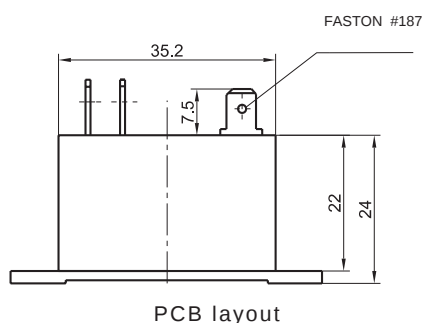
UL	30A 250VAC
	2HP 125VAC/250VAC
	TV-15 120VAC

ORDERING INFORMATION

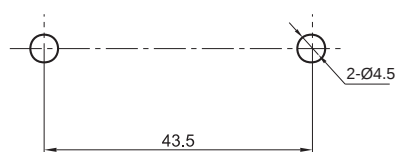
	JQX-37F /	012	1H	T
Type				
Coil voltage	5, 6, 9, 12, 24, 48, 60VDC			
Contact arrangement	1H:1 Form A(SPST-NO)			
Contact Material	T: AgSnO Nil: AgCdO			

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

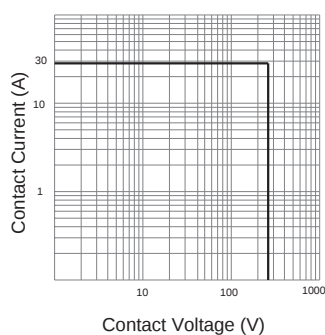


Mounting holes

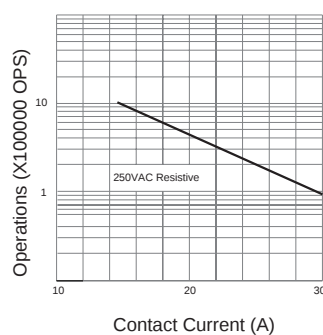


CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



LIFE CURVE



COIL TEMPERATURE RISE

