



28(43)×21.5×35.5

JQX-13F

UL E160644 R50126378
CEC 10002045756

Features

- Small size, light weight, heavy switching power.
- Optional mounting ways. With LED and with test button available.
- Firm structure, strong anti-shock & anti-vibration.
- Suitable for automatic control, telecommunication equipment, household electrical appliances and machinery electrical facilities.

Ordering Information

JQX-13F **2C** **a** **DC12V** **1** **L**
1 2 3 4 5 6

1 Part number: JQX-13F
2 Contact arrangement: 2A:2A; 2B:2B;
1C:1C; 2C:2C
3 Terminal: a: plug in type; b: PCB type
4 Coil rated voltage(V): AC: 6, 12, 24, 36, 48, 110, 120, 220, 240
DC: 6, 12, 24, 36, 48, 110

5 Cover: 1:1Mode; 2:2 Mode
6 Coil transient suppression: L: with LED
D: with diode
LD: with LED & diode
NIL: standard

Contact Data

Contact Material	AgSnO ₂ AgCdO		
Contact Arrangement	1C (SPDT(B-M))	2A (DPSTNO) 2B (DPSTNC) 2C (DPDT(B-M))	
Contact Rating	Resistive	15A, 20A/277VAC, 28VDC	10A/277VAC; 12A/250VAC, 28VDC
	Motor Load	1/2HP 120VAC, 240VAC	1/2HP 120VAC, 240VAC; 1/2HP 125VAC
Max. Switching Voltage	30VDC 300VAC		
Max. Switching Power	560W 5540VA		Max. Switching Current:20A
Contact Resistance	≤50mΩ		Item 4.12 of IEC 61810-7
Electrical Endurance	1×10 ⁵		Item 4.30 of IEC 61810-7
Mechanical Endurance	2×10 ⁷		Item 4.31 of IEC 61810-7

Coil Parameter(DC)

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (80%of rated voltage)	Drop-out voltage VDC(min) (10%of rated voltage)	Coil power W	Operate time ms	Release time ms
	Rated	Max.						
006-900	6	6.6	40	4.8	0.6	0.9	≤25	≤25
012-900	12	13.2	160	9.6	1.2			
024-900	24	26.4	640/650	19.2	2.4			
036-900	36	39.6	1440	28.8	3.6			
048-900	48	52.8	2600	38.4	4.8			
110-900	110	121	11000	88.0	11.0			

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Coil Parameter(AC)

Dash numbers	Coil voltage VAC		Coil resistance $\Omega \pm 10\%$	Rated current mA	Pick-up voltage VAC(max) (80% of rated voltage)	Release voltage VAC(min) (30% of rated voltage)	Coil power VA
	Rated	Max.					
006AC-1200	6	6.6	11.5	183	4.8	1.8	1.2
012AC-1200	12	13.2	46	91	9.6	3.6	
024AC-1200	24	26.4	184	46	19.2	7.2	
036AC-1200	36	39.6	320	33	28.8	10.8	
048AC-1200	48	52.8	735	24	38.4	14.4	
110AC-1200	110	121	3900	11	88.0	33	
120AC-1200	120	132	4550	9.8	96.0	36	
220AC-1200	220	242	14400	5.5	176	66	
240AC-1200	240	312	19000	4.2	192	72	

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Characteristics

Insulation Resistance ¹⁾	1000M Ω min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength ¹⁾ Between Contacts Between Contact and Coil	1000VAC 1min 1500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	8N 4N(PC type)	Item 4.24 of IEC 61810-7
Ambient Temperature	-40°C~70°C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	37g	Item 4.7 of IEC 61810-7

Note: 1). When testing, coil terminals should be connected , if LED is installed in relay .

Safety Approvals

Safety approval	UL&CUR	TüV	CQC
Load	1C: 20A/277VAC, 28VDC ½HP120VAC, 240VAC 2A, 2B, 2C: 10A/277VAC, 12A/250VAC, 28VDC ½HP 125VAC ½HP 120VAC, 240VAC	10A/277VAC, 28VDC	10A/277VAC 10A/220VAC

FORWARD RELAYS

