HONGFA RELAY

	MINIATURE POWER RELAYS **30A 1 POLE PCB & QC Terminals**	**JQX-105F-2**

UL/CUR File No.: E134517

- **30A switching capabilities**
- **PCB coil terminals, ideal for heavy duty load**
- **Heavy load up to 7,200VA**
- **Open, Sealed & Unsealed type available**
- **Ambient Temp.**

  Class B: DC: -55 to +85 °C; AC: -55 to +60 °C

  Class F: DC: -55 to +105 °C; AC: -55 to +85 °C

■CONTACT DATA

Contact Form	1 FORM A (NO)	1 FORM B (NC)	1 FORM C (NO)	1 FORM C (NC)
Initial Contact Resistance	50m Ω (measured at 1A 24VDC)			
Contact Material	Silver Alloy			
UL Rating	30A 277VAC	15A 277VAC	20A 277VAC	10A 277VAC
	30A 28VDC		20A 28VDC	10A 28VDC
	2HP 250VAC		2HP 250VAC	1/4HP250VAC
	1HP 125VAC		1HP 250VAC	1/2HP 125VAC
JQX-105F-2 Rating	30A 240VAC	15A 240VAC	20A 240VAC	10A 240VAC
	20A 28VDC	10A 28VDC	20A 28VDC	10A 28VDC
JQX-105F- 2L Rating	25A 240VAC	15A 240VAC	20A 240VAC	10A 240VAC
	20A 28VDC	10A 28VDC	20A 28VDC	10A 28VDC
Switching Capacity	7200VA/ 560W	3600VA/280W	4800VA / 560W	2400VA/ 280W
Switching Current	Max 30A	Max 15A	Max 20A	Max 10A
Switching Voltage	Max. 277VAC / 28VDC			
Electrical Life	1×10^5 OPS min.			
Mechanical Life	1×10^7 OPS min.			

■ SPECIFICATION

Insulation Resistance	1,000MΩ 5,00VDC
Dielectric Strength Between coil and Contacts:	2,500VAC 1minute
Between open contacts:	1,500VAC 1minute
Operate Time	15 ms
Release Time	10ms
Ambient Temperature	Class B: see above Class F: see above
Humidity	98 % +40 °C
Vibration Resistance	DA:1.5mm10 to 55Hz
Shock Resistance	98 m/s^2 Malfunction 980m/s^2 Mechanical
Dimension (mm)	See Outline Dimensions
Weight	approx. 36 g
Termination	PCB and QC
Construction	Open, Sealed, Unsealed

■ COIL DATA

Coil Consumption	**Coil Voltage**	**Coil Resistance**
DC: 0.9W AC: 2VA	5 to110 VDC, 12 to 277VAC	see table below

■TABLE

Nominal Voltage VDC	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%	**Nominal Voltage**	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%
5 VDC	3.75	0.5	27	**18 VDC**	13.50	1.8	380
6 VDC	4.50	0.6	40	**24 VDC**	18.00	2.4	660
9 VDC	6.75	0.9	97	**48 VDC**	36.00	4.8	2560
12 VDC	9.00	1.2	155	**70 VDC**	52.50	7.0	5500
15 VDC	11.25	1.5	256	**110 VDC**	82.50	11.0	13450

* When requiring DC pull-in voltage <75% of nominal voltage, special order allowed.

■TABLE

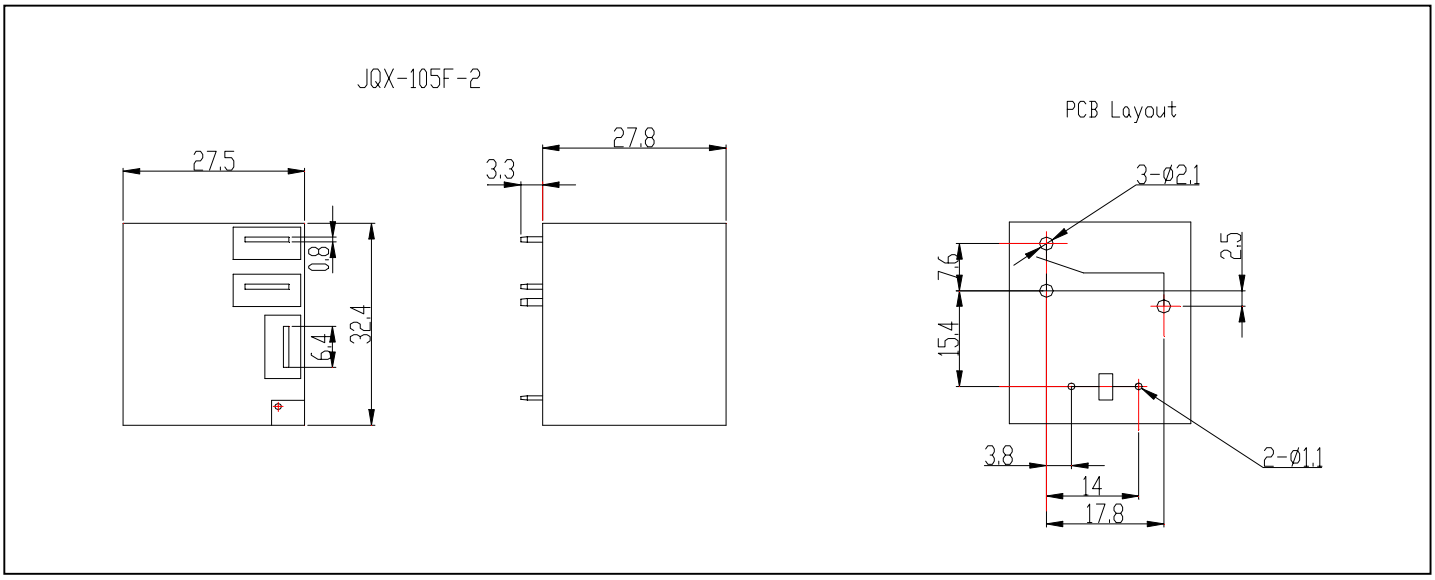
Nominal Voltage	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%	Nominal Voltage	Pick-up Voltage	Drop-Out Voltage	Coil Resis. Ω±10%
12 VAC	9.6	2.4	25	**208 VAC**	166.4	41	11000
24 VAC	19.2	4.8	100	**240 VAC**	192	48	13490
120 VAC	96.0	24.0	2500	**277 VAC**	220	54	15000

* When requiring AC pull-in voltage <80% of nominal voltage, special order allowed.

■ORDER DESIGNATION

JQX-105F-2	/	018	D	-	1H	S	F
Model		Coil Volt.	Coil Input		Contact Form	Structure	F: Class F
Without F: Open		DC: 5 to 110V	D:DC		1H: NO	NIL: Dust Cover	Nil: Class B
L: 25A		AC:12 to 277V	A:AC		1D: NC	S: Sealed	
NIL: 30A					1Z: SPDT		

■ OUTLINE DIMENSIONS ,WIRING DIAGRAM AND PC BOARD LAYOUT



■ USEFUL CURVES