

JQX-14FW

MINIATURE HIGH POWER RELAY



File No.:E134517



File No.:R9659294



File No.:CQC02001001955



Features

- * SPST-NO, SPST-NC and SPDT configuration
- * 4KV dielectric between coil and contacts
- * Sealed and Unsealed types available
- * 20A switching capabilities

CONTACT DATA

Contact Arrangement	1A, 1B, 1C
Initial Contact Resistance Max.	50mΩ(at 1A 24VDC)
Contact Material	AgCdO, AgSnO ₂
Contact Rating (Res. Load)	20A 277VAC/24VDC 1HP 240VAC TV-8,125VAC(N.O. only)
Max. switching voltage	277VAC/30VDC
Max. switching current	20A
Max. switching power	5540VAC/480W
Mechanical life	1 x 10 ⁷ OPS
Electrical life	1 x 10 ⁵ OPS

COIL

Coil power	Standard: 0.72W, Sensitive: 0.55W
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SAFETY APPROVAL RATINGS

UL	20A 277VAC N.O.
	20A 24VDC
	16A 277VAC
	12A 277VAC
	1HP 240VAC
Tüv	TV-8 125VAC, (N.O. only)
	16A 250VAC
	16A 30VDC

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ, 500 VDC
Dielectric Strength	Between coil and Contacts	4000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)		Max. 15ms
Release time (at nomi. Volt.)		Max. 5ms
Ambient temperature		-40°C to +85°C
Humidity		98%, +40°C
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance		1.5mm, 10 to 55Hz
Termination		PCB
Unit weight		Approx. 18.5g
Construction		SealedIP67 & Unsealed



HONGFA RELAY
ISO9001*ISO/TS16949 *ISO14001 CERTIFIED

VERSION: EN02-20040601

COIL DATA

Standard Type					Sensitive Type				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	3.6	0.5	5.5	36 $\pm$ 10%	5	3.60	0.5	7.0	47 $\pm$ 10%
6	4.3	0.6	6.6	50 $\pm$ 10%	6	4.30	0.6	8.4	68 $\pm$ 10%
9	6.5	0.9	9.9	115 $\pm$ 10%	9	6.50	0.9	12.6	160 $\pm$ 10%
12	8.3	1.2	13.2	200 $\pm$ 10%	12	8.60	1.2	16.8	275 $\pm$ 10%
18	13.0	1.8	19.8	460 $\pm$ 10%	18	13.0	1.8	25.2	650 $\pm$ 10%
24	17.3	2.4	26.4	820 $\pm$ 10%	24	17.3	2.4	33.6	1100 $\pm$ 10%
48	34.6	4.8	52.8	3300 $\pm$ 15%	48	34.6	4.8	67.2	4170 $\pm$ 15%
60	43.2	6.0	66.0	5100 $\pm$ 15%	60	43.2	6.0	84.0	7000 $\pm$ 15%

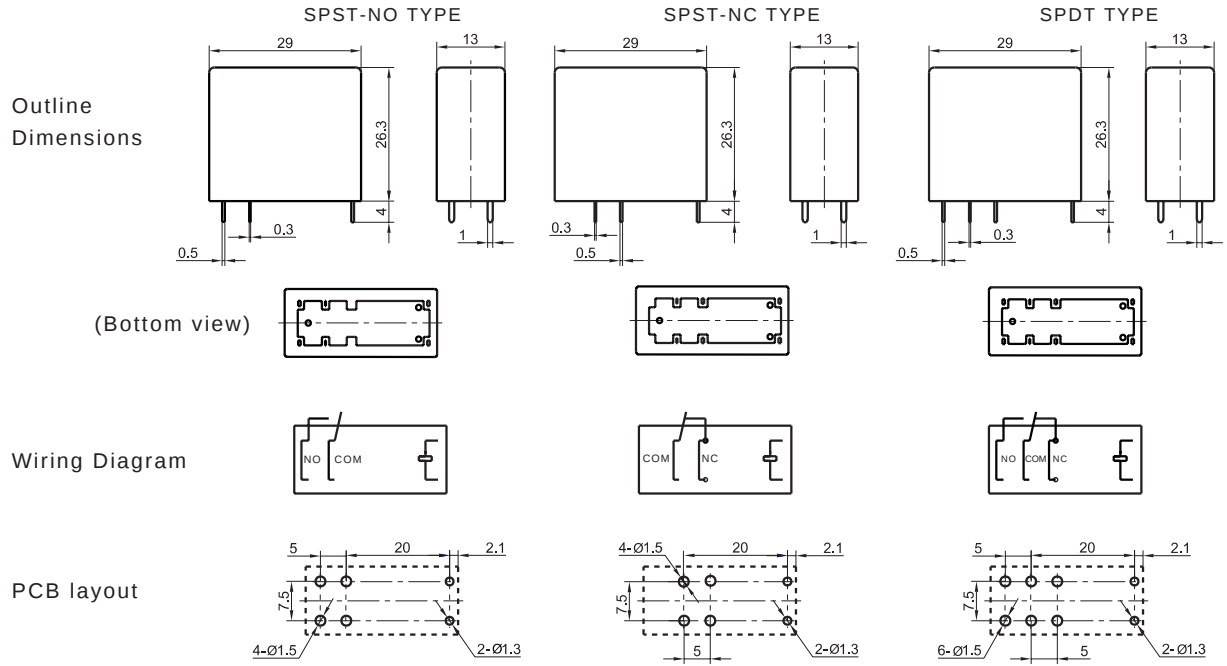
Note:1. When require pick-up voltage < 72% of nominal voltage, special order allowed.
2. Suggest to use sensitive type.

ORDERING INFORMATION

Type	JQX-14FW / 012 H S T P F XXX
Coil voltage	5, 6, 9, 12, 18, 24, 48, 60VDC
Contact arrangement	H:1A(SPST-NO) D:1B(SPST-NC) Z:1C(SPDT)
Construction	S: Sealed IP67 Nil: Unsealed
Contact material	T: AgSnO ₂ Nil: AgCdO
Coil Power	P: Standard Nil: Sensitive
Insulation System	F: ClassF Nil: ClassB
Customer special request code	

Note:Standard version is with black cover.Smoke dust cover is available.

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

