

JQX-14FF

MINIATURE HIGH POWER RELAY



File No.:E134517



File No.:R9659296



File No.:CQC02001001955



Features

- * 10A switching capabilities
- * SPST-NO and SPDT configurations
- * 5KV dielectric between coil to contacts
- * Sealed and Unsealed types available

CONTACT DATA

Contact Arrangement	1A, 1C
Initial Contact Resistance Max.	50mΩ(at 1A 24VDC)
Contact Material	AgCdO,AgSnO ₂
Contact Rating (Res. Load)	10A 277VAC/30VDC TV-5,120VAC
Max. switching voltage	277VAC/30VDC
Max. switching current	10A
Max. switching power	2770VAC/300W
Mechanical life	1 x 10 ⁷ OPS
Electrical life	1 x 10 ⁵ OPS

COIL

Coil power	0.55W
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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
3	2.25	0.3	4.2	17 ± 10%
5	3.75	0.5	7.0	47 ± 10%
6	4.50	0.6	8.4	68 ± 10%
9	6.75	0.9	12.6	160 ± 10%
12	9.00	1.2	16.8	275 ± 10%
18	13.5	1.8	25.2	650 ± 10%
24	18.0	2.4	33.6	1100 ± 10%
48	36.0	4.8	67.2	4170 ± 10%
60	45.0	6.0	84.0	7000 ± 10%

Note:When require pick-up voltage < 75% of nominal voltage, special order allowed.

CHARACTERISTICS

Initial Insulation Resistance		1000MΩ, 500VDC
Dielectric Strength	Between coil and Contacts	5000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)		Max. 15ms
Release time (at nomi. Volt.)		Max. 5ms
Vibration Resistance		1.5mm, 10 to 55Hz
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Humidity		98%, +40°C
Ambient temperature		-40°C to +70°C
Termination		PCB
Unit weight		Approx. 18g
Construction		Sealed IP67 & Unsealed

SAFETY APPROVAL RATINGS

UL	10A 277VAC 10A 30VDC 1/3HP 250VAC 1/4HP 125VAC TV-5,120VAC
TÜV	10A 250VAC 10A 30VDC



HONGFA RELAY
ISO9001*ISO/TS16949 *ISO14001 CERTIFIED

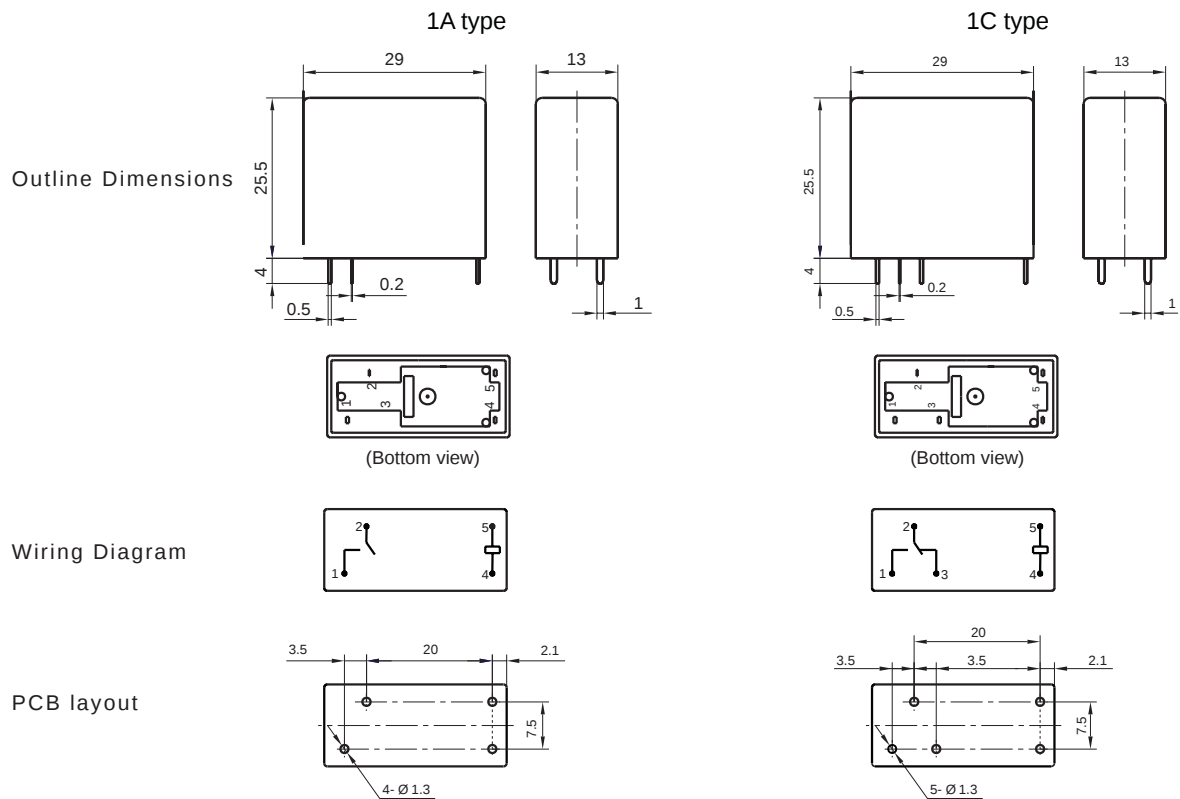
VERSION: EN02-20040601

ORDERING INFORMATION

Type	JQX-14FF / 012 1H S T F XXX
Coil voltage	3, 5, 6, 9, 12, 18, 24, 48, 60VDC
Contact arrangement	1H: 1A(SPST-NO) 1Z: 1C(SPDT)
Structure	S: Sealed IP67 Nil: Unsealed
Contact material	T: AgSnO ₂ Nil: AgCdO
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

