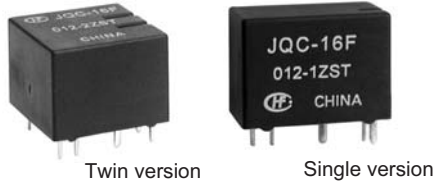


JQC-16F

AUTOMOTIVE RELAY



Twin version

Single version

Typical Applications

Door locking systems, Immobilizers, Seat adjustment, Seatbelt prevention, Sunroof, Window motors control, Power door & windows

Features

- Silent version also available
- 20A switching capability
- Extremely small relay
- Slim 1C type & twin type available
- Two separate systems for twin type

CONTACT DATA

Contact Arrangement	1C, 2C
Initial Contact Resistance	Max. 100mΩ (at 1A 6VDC)
Contact Material	AgSnO ₂ , AgNi
Contact Rating (Res. Load)	20A 14VDC
Max. switching voltage	40VDC
Max. switching current	25A
Mechanical Life	1 x 10 ⁷ OPS
Electrical Life	2 x 10 ⁶ OPS

COIL

Coil power	0.56W
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω	Max. allowable Voltage (VDC)	Nominal operating Current mA
12	7.2	1.0	255 ± 10%	15	47

CHARACTERISTICS

Initial Insulation Resistance	100MΩ, 500 VDC	
Dielectric Strength	Between coil and contacts	500VAC
	Between open contacts	500VAC
Operate time (at nomi. Vot.)	Typ. 3ms	
Release time (at nomi. Vot.)	Typ. 1.3ms	
Ambient temperature	-40°C to +85°C	
Shock Resistance	Functional	300 m/s ²
	Destructive	450m/s ²
Vibration Resistance	10 to 55Hz, 1.5mm 55 to 200Hz, 100m/s ²	
Termination	PCB	
Unit weight	Approx. 5g, Twin 10g	
Construction	Sealed IP67	



HONGFA RELAY
ISO9001、ISO/TS16949、ISO14001 CERTIFIED

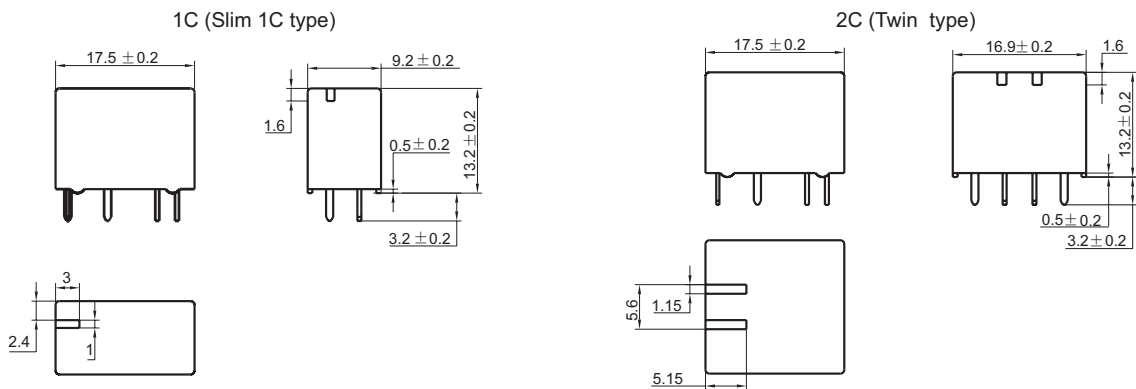
VERSION: EN02-20040601

ORDERING INFORMATION

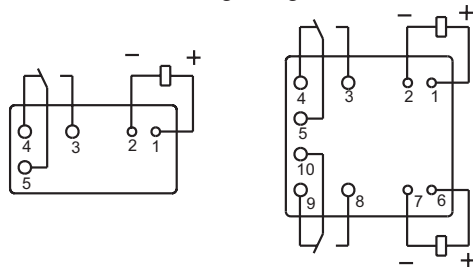
JQC-16F / 012		2Z	S	T	XXX
Type					
Coil voltage	12VDC				
Contact arrangement	1Z: 1 Form C(Slim 1C type) 2Z: 2 x 1C(Twin type)				
Structure	S: Sealed IP67				
Contact Material	T: AgSnO ₂ Nil: AgNi				
Customer special request code:					

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions



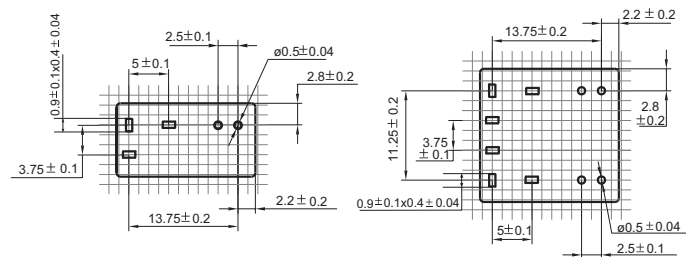
Wiring Diagram



1C

2C

PCB layout

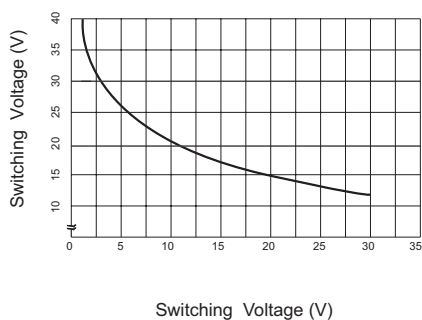


1C

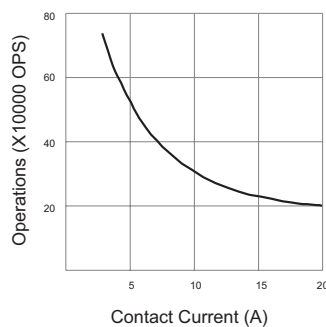
2C

CHARACTERISTICS CURVE

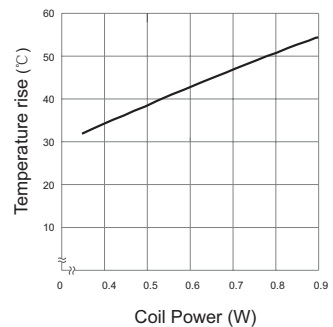
Maximum Switching Power



Life Curve



Coil Temperature Rise



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