

JQC-16FV

AUTOMOTIVE RELAY



Features

- Extremely silent version
- 20A switching capability
- Extremely small relay
- Two separate systems

Typical Applications

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

CONTACT DATA

Contact Arrangement	2C
Initial Contact Resistance	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 ⁵ OPS

COIL

Coil power	0.56W
Coil resistance	See table below

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

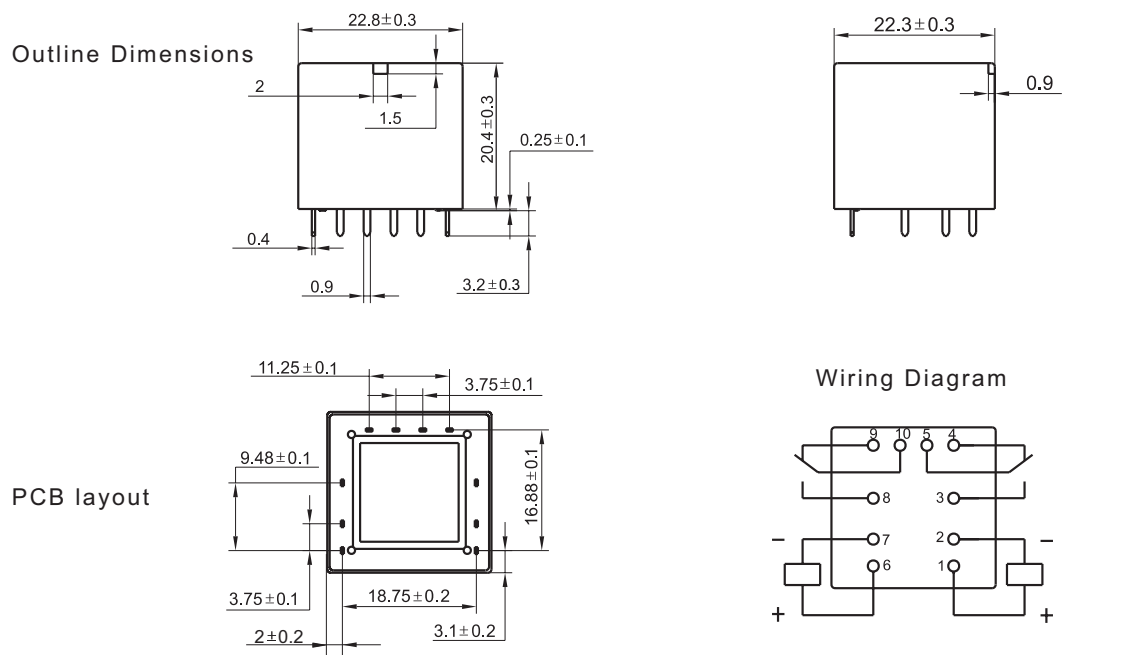
Initial Insulation Resistance		100MΩ, 500 VDC
Dielectric Strength	Between coil and Contacts	500VAC
	Between open contacts	500VAC
Operate time (at nomi. Volt.)		Typ. 3ms
Release time (at nomi. Volt.)		Typ. 1.3ms
Ambient temperature		-40°C to +85°C
Shock Resistance	Functional	300 m/s ²
	Destructive	450m/s ²
Vibration Resistance		10 to 55Hz, 1.5mm 55 to 200Hz, 100m/s ²
Termination		PCB
Unit weight		Approx. 15g
Construction		Sealed IP67



ORDERING INFORMATION

	JQC-16FV / 012	2Z	S	T	XXX
Type					
Coil voltage	12VDC				
Contact arrangement	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



CHARACTERISTICS CURVE

