

JQC-7FD

SUBMINIATURE HIGH POWER RELAY



File No.:E170653



Pending



Features

- 1A & 1C configuration
- High performance / Low profile
- Dielectric strength coil to contacts 2500V
- VDE 0631 / 0700

CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance	100m Ω	100m Ω
Contact Material	AgCdO,AgSnO	AgCdO,AgSnO
Contact Rating	10A 250VAC	NO:10A 250VAC NC: 7A 250VAC
Max. switching voltage	250VAC/30VDC	250VAC/30VDC
Max. switching current	10A	10A
Max. switching power	2500VA 300W	2500VA 210W
Mechanical life	1 x 10 ⁷ OPS	1 x 10 ⁷ OPS
Electrical life	1 x 10 ⁵ OPS	1 x 10 ⁵ OPS

COIL

Coil power	360mW
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COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 25°C)	Coil Resistance Ω
3	2.3	0.3	3.9	25 ± 10%
5	3.80	0.5	6.5	70 ± 10%
6	4.50	0.6	7.8	100 ± 10%
9	6.80	0.9	11.7	225 ± 10%
12	9.00	1.2	15.6	400 ± 10%
18	13.5	1.8	23.4	900 ± 10%
24	18.0	2.4	31.2	1600 ± 10%
48	36.0	4.8	62.4	6200 (6400available) ± 10%

CHARACTERISTICS

Initial Insulation Resistance	100M Ω ,500VDC
Dielectric Strength	Between coil and Contacts 2500Vrms, 1min
	Between open contacts 1000Vrms, 1min
Operate time (at nomi. Volt.)	10ms
Release time (at nomi. Volt.)	5ms
Temperature rise (at nomi. Volt.)	60°C
Humidity	35 to 85%RH
Shock Resistance	Functional 98 m/s ²
	Destructive 980 m/s ²
Ambient temperature	ClassB: -40°Cto70°C ClassF: -40°Cto85°C
Vibration Resistance	1.5mm, 10 to 55Hz
Termination	PCB
Unit weight	Approx. 14g
Construction	Sealed and Unsealed

SAFETY APPROVAL RATINGS

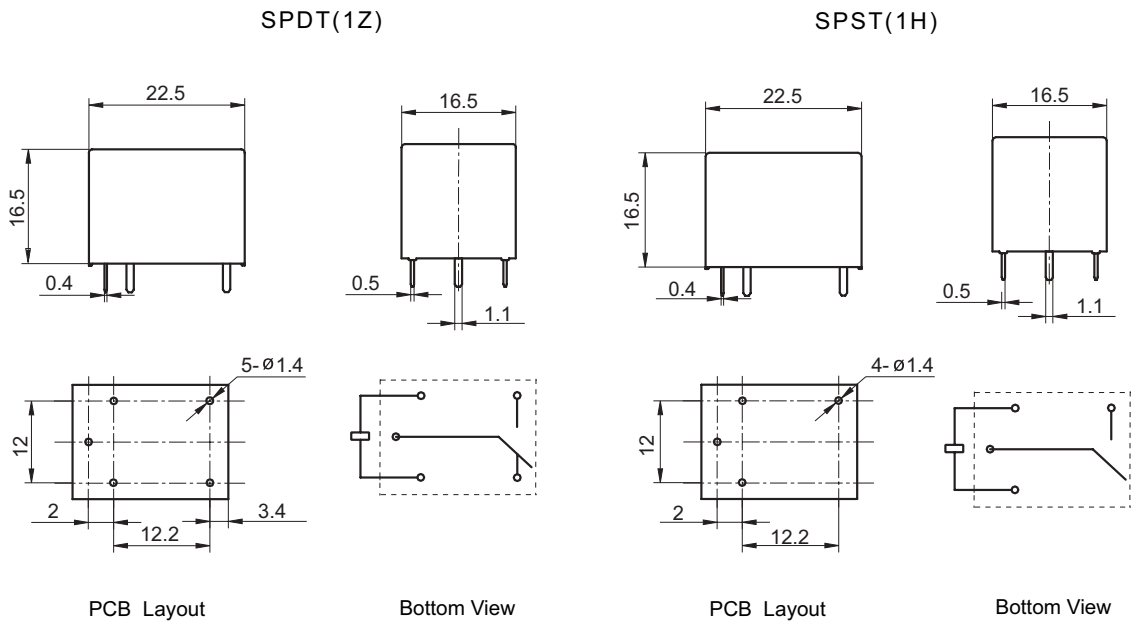
UL	1A	10A 277VAC 10A 28VDC
	1C	12A 125VAC 7A 250VAC 7A 28VDC
VDE	1A	10A 250VAC T85°C
	1C	7A 250VAC T85°C



ORDERING INFORMATION

Type	JQC-7FD / 012 1H S T F XXX
Coil voltage	5, 6, 9, 12, 18, 24, 48VDC
Contact arrangement	1H:SPST-NO 1Z:SPDT
Structure	Nil: Unsealed S: Sealed
Contact Material	T: AgSnO Nil: Silver alloy
Insulation Standard	Nil: ClassB F: ClassF
Customer special request code:	(For example: 610- white cover)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE

