FEATURES

- 40A/30A switching capability
- 3 Form A , 3 Form B and 3 Form C configurations
- 2 Form A , 2 Form B and 2 Form C configurations
- 2.5KV Dielectric strength between coil and contacts

CONTACT DATA

Contact arrangement	3A、3B、3C 2A、2B、2C
Contact resistance	100mΩ (at 1A 6VDC)
Contact rating	3C：30A/40A/250VAC 30A/40A/28VDC：
Contact material	AgCdO/AgSnO2/AgNi

CHARACTERISTICS

Insulation resistance	500MΩ 500VDC
Dielectric strength	Between Coil & contact: 2500VAC,1min Between open contact: 1500VAC,1min
Operate time	25 ms
Release time	15 ms
Vibration resistance	10-55Hz, DA 1mm
Shock resistance	10G(Half-sine shock pulse 11ms)
Humidity	20％ ~85％RH
Ambient Temp.	-25℃ ~+55℃
Electrical life Mechanical life	1×10^5 ops 1×10^7 ops

COIL DATA

Rated voltage (VDC)	Pick-up Voltage VDC (Max.)	Drop-out Voltage VDC (Min.)	Rated Current (A±10％)	Coil resistance (Ω ±10％)	Power (W)
6	4.5	0.6	0.42	14.4	2.5
9	6.75	0.9	0.28	32.4	2.5
12	9	1.2	0.21	57.6	2.5
18	13.5	1.8	0.14	130	2.5
24	18	2.4	0.1	230	2.5
48	36	4.8	0.05	920	2.5
60	45	6	0.04	1440	2.5
110	82.5	11	0.02	4840	2.5

Notes: 1) All values unspecified are at room temperature.

2) Only typical loads are listed above. Other load specifications can be available upon request.

3) For sealed type, the vent-hole cover should be excised.

COIL DATA

Rated voltage (VAC)	Pick-up Voltage VAC (Max.)	Drop-out Voltage VAC (Min.)	Rated Current (A±10%)	Coil resistance (Ω ±10%)	Power (VA)
6	4.8	1.8	2.61	2.3	5.5
9	7.2	2.7	1.73	5.2	5.5
12	9.6	3.6	1.3	9.2	5.5
18	14.4	5.4	0.87	20.6	5.5
24	19	7.2	0.65	36.7	5.5
48	38.4	14.4	0.33	147	5.5
110	88	33	0.14	770	5.5
220	176	66	0.07	3080	5.5

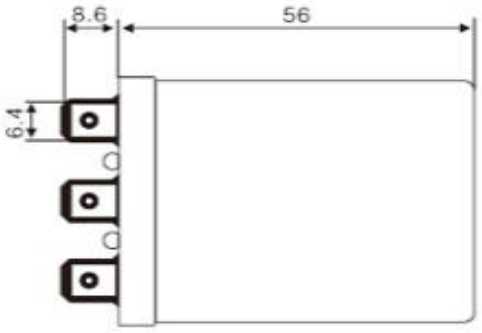
ORDERING INFORMATION

JRN - A - 3C 12VDC

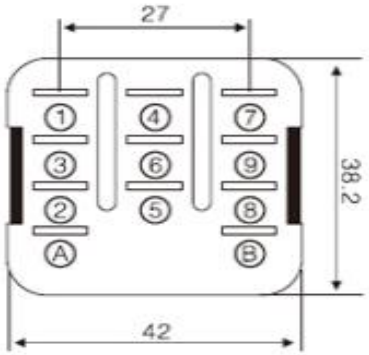
Type	Contact Current	Contact arrangement	Coil voltage
JRN	A: 40A	3C/3A/3B	5VDC/6VDC/9VDC/12VDC/24VDC/48VDC/60VDC/110VDC
JQX-38F	B: 30A	2C/2A/2B	6VAC/9VAC/12VAC/18VAC/24VAC/48VAC/110VAC/220VAC

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT (Unit: mm)

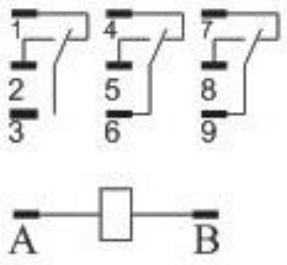
Outline Dimensions



Layout
(Bottom view)



Wiring Diagram
(Bottom View)



Remark:1) In case of no tolerance shown in outline dimension: outline dimension≤1mm, tolerance should be ±0.2mm; outline dimension > 1mm and ≤5mm, Tolerance should be±0.3mm; outline dimension > 5mm, tolerance should be ±0.4mm.

2) The tolerance without indicating for PCB layout is always ± 0.1mm