

a2zelectronic.com



a2zelectronic.com

KT-909

GENERAL PURPOSE POWER RELAYS

KYOTA

UL E331432
32.4×27.5×20



- QC&PC terminals
- High dielectric strength 3,000VAC
- Optional flanged case for panel mounting
- Class B/F available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1A/1B/1C
Contact Material	AgCdO AgSnO ₂
Load	Resistive load(COS Φ=1)
Contact Ratings	1A: 40A 240VAC, 30VDC 1B: 30A 240VAC, 30VDC 1C: 40A/30A 240VAC, 30VDC
Minimum load	500mA 5VDC
Max Switching Voltage	250VAC/110VDC
Max Switching Current	40A
Max Switching Power	7200VA/1100W
Contact Resistance	100m Ω Max at 6VDC 1A
Operation Life	Electrical 100,000 Operations(at30 Operations/minute)
	Mechanical 10,000,000 Operations(at300 Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	1000M Ω Min at 500VDC
Between Open Contacts	1500VAC(for one minute)
Between Contacts and Coil	1500VAC/2500VAC(for one minute)
Operate Time	15ms
Release Time	10ms °C (Class F:85°C)
Temperature Range	-55~100°C -55~125°C
Shock Resistance	200m/s ² 11ms
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical:18,000operations/hr Electrical:1,800operations/hr
Humidity	85% (at 40°C)
Weight	Approx 31g

COIL DATA

at 20°C

Coil Power 0.93W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
5	186	3.75	0.5	28
6	155	4.5	0.6	40
9	103	6.75	0.9	90
12	77.5	9	1.2	160
24	39	18	2.4	640
48	19	36	4.8	2560
110	9	82.5	11.0	13445

CAUTION:

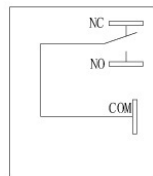
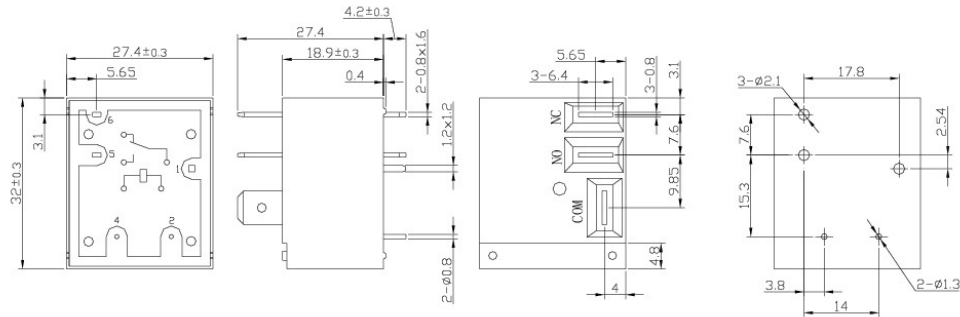
1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

APPROVED STANDARDS

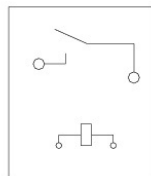
UL & cUL	NO: 40A 240VAC, 30VDC NC: 30A 240VAC, 30VDC
----------	--

a2zelectronic.com

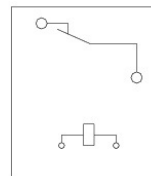
OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



1A



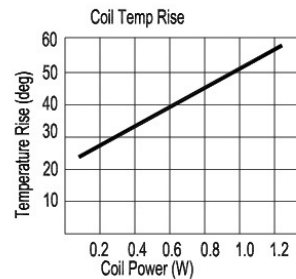
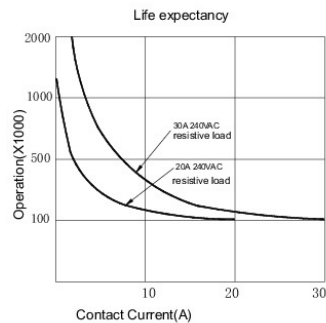
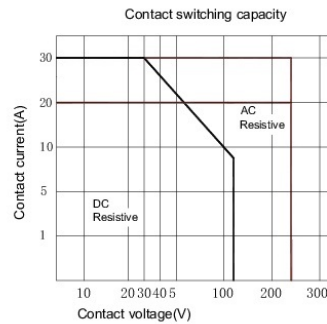
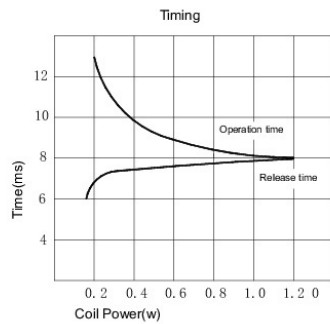
1B



1C

Layout (Bottom View)

ENGINEERING DATA



a2zelectronic.com

The specifications are for the customer's reference and are subject to change without notice.