 <p><b>WANJIA</b> ISO9001:2000 and ISO14001 Certified Relays for advanced technology</p>	<p><b>MAGNETIC LATCHING RELAY</b></p>	<p><b>WJ31G-RELAYS</b></p>
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## specification

### contact

contact arrangement	1A,1B
contact material	silver alloy
contact resistance	max 2mΩ
rated load	100A 250VAC
max switching voltage	110VDC/250VAC
max switching power	3000W/25000VA
life (min)	
mechanical (180 times/min. below)	1×105
electrical (20 times/min. below)	1×104
	100A 250VAC

### characteristics

operate time	max 30msec.	
release time	max 30msec.	
between coil & contact	3000VAC (50/60Hz) for 1 minute	
between open contacts	2000VAC (50/60Hz) for 1 minute	
insulation resistance	min 1000MΩ (500 VDC)	
ambient temperature	-40℃~+55℃	
relative humidity	40~90% RH	
impact	functionality	min 10G
	destruction	max 100G
vibration	functionality	10 to 55 Hz double amplitude 1.5mm
	destruction	10 to 55 Hz double amplitude 1.5mm
weight	about 85 g	

### coil specification

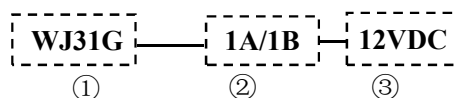
coil power	single coil:2.25W double coils:4.5W
coil voltage	6~48VDC
coil resistance	mentioned in the sheet as flws



### coil data (ambient temperature: 20℃)

rated voltage (VDC)	coil resistance (single) (Ω)±10%	coil resistance (double) (Ω)±10%	operate voltage (VDC)	release voltage (VDC)	allowed loading voltage (VDC)
6	16	8/8	max 80%	max 80%	max 120%
9	36	18/18			
12	64	32/32			
24	256	128/128			
48	1024	512/512			

## ordering information



①	②	③
type	contact arrangement	coil voltage (DC)
WJ31G	1A/1B	6, 9, 12,
		18, 24, 48V

