

Figure 1

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BRJ PCB Installation Relay



BRJ series relays are general purpose relays designed for a wide range of applications, from power to sequence controls in various factory machines and control panels. They are ideal for electric control panels requiring stable and reliable relays.

Features

- Small high capacity
- The contact allows large current and good durability
- Low altitude, only 20.6 mm
- Increase the relay socket, easy to relay replacement, reduce dimension
- Cost of protection
- The terminal and module bracket are stable and reliable in quality, 35mm
- U type and E type industrial guide rail can be installed quickly
- CE certified, ROHS approv-UL al pending

• Order sOcket separately

BRJ Series Selection Guide					
Part Number	Coil Voltage	Configuration	Contact Rating	Dimensions (see page 4-)	Dimensions (see page 5)
BRJ1D006W	6VDC,12VDC,24VDC	1PDT	10A	Figure 1	Figure 3
BRJ1D012W		1PDT	10A	Figure1	Figure 3
BRJ1D024W		1PDT	10A	Figure 1	Figure 3
BRJ2D006W	6VDC,12VDC,24VDC	2PDT	5A	Figure2	Figure 3
BRJ2D012W		2PDT	5A	Figure 2	Figure 3
BRJ2D024W		2PDT	5A	Figure2	Figure 3

Figure 2

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BRJ Series Electromechanical Relay Specifications

BRJ Series Specification Table						
Part Numbers	BRW1D006W	BRW1D012W	BRW1D024W	BRW2D006W	BRW2D012W	BRW2D024W
Contact Specifications						
Current Rating(2PDT . 4PDT)	8A.10A					
Contact Type	2PDT			1PDT		
Terminal Type	Spade Plug-In Socket					
RatedMax.Resistive Load	8A@250VAC/28VDC(2PDT)			10A@250VAC/28VDC(1PDT)		
Maximum switching power	3480VA					
Minimum Recommended Load	100mA @ 5VDC					
Max. Switching Cap. (Resistive Load)	1,100VAC/240W					
contact resistance	100m below (DC6V, 1A)					
insulation resistance	1000MΩ (500VDC)					
Max. Contact Rating	250VAC/125VDC					
Coil Specifications						
Options	There is no LED					
	Coil (test environment 23 C)					
Rated voltage	(V/DC) 5	(V/DC) 12	(V/DC) 24	(V/DC) 48		
Active Voltage VDC	3.75VDC	9.00VDC	18.00VDC	36VDC		
Release Voltage VDC	05VDC	12VDC	24VDC	48VDC		
Coil resistance (Ω)	36×(1±104)	200×(1±104)	820×(1±104)	3300×(1±104)		
Vibration resistance	Maloperation 10-55HZ (double amplitude 1.0mm)			Durable 10-55HZ (double amplitude 1.0mm)		
Impact resistance	Strength 980m/s ²			Stability 98m/s ²		
General Specifications						
Surge withstand voltage	7000VAC (1.2/50μs)					
Electrical durability	100000 times					
Mechanical durability	10,000,000 times					
contact material	Silver alloy					
Action voltage	80% below (ambient temperature)					
Release voltage	More than 10% (ambient temperature)					
ambient temperature	-40~70 DEG C (work); 20~85%RH					

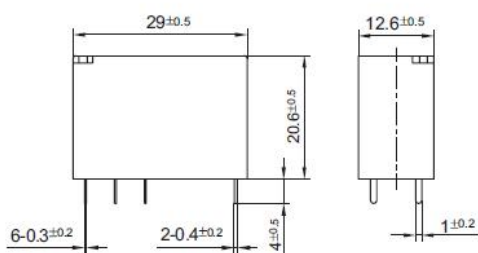
Figure 3

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BRJ SAppearance size

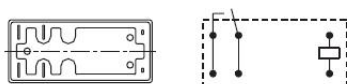
Wiring Diagrams

BRJ1D05W BRJ1D12W BRJ2D024W BRJ1D48W

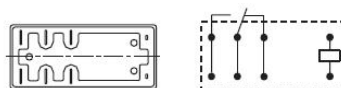


BRJ Wiring diagram

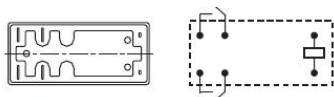
1 NO



1 PDT



2 NO



2 PDT

