

JE6

HIGH POWER LATCHING RELAY



Features

- Latching relay
- 200A switching capability
- Strong resistance ability to shock & vibration
- Heavy load up to 55.4kVA
- 4kV dielectric strength (between coil and contacts)
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (100.0 x 80.0 x 29.8) mm

CONTACT DATA

Contact arrangement	2A
Voltage drop ²⁾	Typ.: 50mV (at 10A) Max.: 250mV (at 10A)
Contact material	AgSnO ₂ In ₂ O ₃ , AgCdO
Contact rating (Res. load)	200A 277VAC/28VDC
Max. switching voltage	440VAC
Max. switching current	200A
Max. switching power	55400VA / 5600W
Mechanical endurance	1 x 10 ⁵ OPS
Electrical endurance	1 x 10 ⁴ OPS

COIL

Coil power	Single Coil: 12W; Double Coil: 24W
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COIL DATA ³⁾

at 23°C

Nominal Voltage VDC	Pick-up Voltage VDC	Pulse Duration ms	Coil Resistance x (1±10%) Ω	
12	9.6	200	Single Coil	12
24	19.2	200		48
48	38.4	200		190
12	9.6	200	Double Coils	2 x 6
24	19.2	200		2 x 24
48	38.4	200		2 x 95

Notes: 1) The data shown above are initial values.

2) Equivalent to the max. initial contact resistance is 50mΩ (at 1A 24VDC), and measured when coil is energized with 100% nominal voltage at 25°C.

3) When requiring other nominal voltage, special order allowed.

CHARACTERISTICS

Insulation resistance		1000MΩ (at 500VDC)
Dielectric strength	Between coil & contacts	4000VAC 1min
	Between open contacts	2000VAC 1min
Creepage distance		8mm
Operate time (at nomi. volt.)		30ms max.
Release time (at nomi. volt.)		30ms max.
Shock resistance	Functional	100m/s ² (10g)
	Destructive	1000m/s ² (100g)
Vibration resistance		10Hz to 55Hz 1.0mm DA
Humidity		98% RH, 40°C
Ambient temperature		-40°C to 85°C
Termination		PCB & QC
Unit weight		Approx. 500g
Construction		Dust protected

Notice

1. Relay is on the "set" status when being released from stock, with the consideration of shock risen from transit and relay mounting, relay would be changed to "reset" status, therefore, when application (connecting the power supply), please reset the relay to "set" or "reset" status on request.
2. In order to maintain "set" or "reset" status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than "set" or "reset" time. Do not energize voltage to "set" coil and "reset" coil simultaneously. And also long energized time (more than 1 min) should be avoided.
3. The terminals of relay without twisted copper wire can not be tin-soldered, can not be moved willfully, more over two terminals can not be fixed at the same time.



HONGFA RELAY

ISO9001、ISO/TS16949、ISO14001、OHSAS18001 CERTIFIED

2007 Rev. 2.00

ORDERING INFORMATION

	JE6	-A /	12	-2H	T	B	-1	-R	(XXX)
Type									
Version	A: Type A contact terminal B: Type B contact terminal								
Coil voltage	12, 24, 48VDC								
Contact form	2H: 2 Form A								
Contact material	T: AgSnO ₂ In ₂ O ₃ Nil: AgCdO								
Insulation standard	B: Class B F: Class F								
Sort	1: 1 coil latching 2: 2 coils latching								
Polarity	R: Negative polarity Nil: Positive polarity								
Customer special code ¹⁾ (Only for special requirements)	e.g. (551) stands for RoHS compliant (Cadmium containing contacts) (555) stands for RoHS compliant (Cadmium-free contacts)								

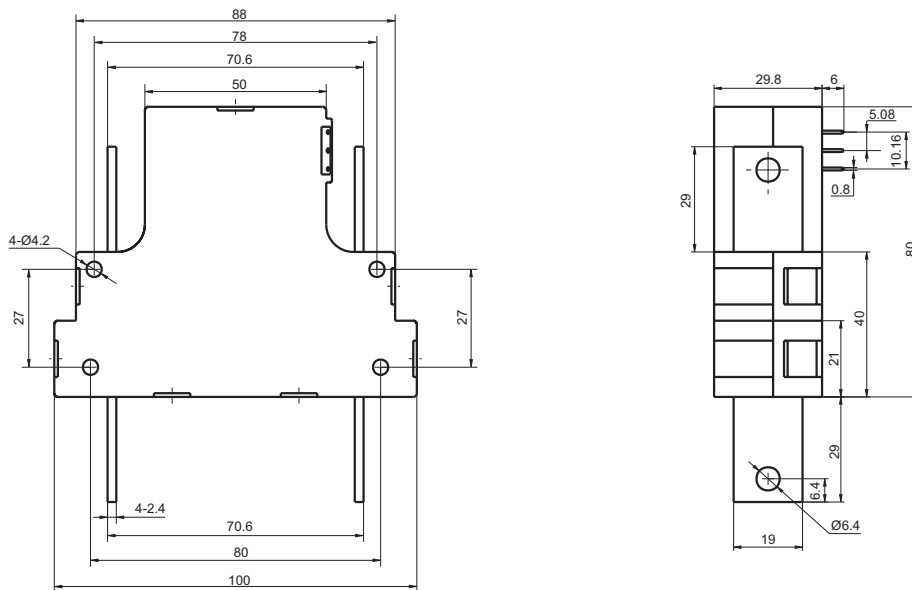
Notes: 1) JE6 is an environmental friendly product. Please mark a special code (555) or (551) when ordering. (551) stands RoHS compliant with Cadmium contact; (555) stands for RoHS compliant with Cadmium-free contact.

OUTLINE DIMENSIONS AND WIRING DIAGRAM

Unit: mm

Outline Dimensions

Type A contact terminal

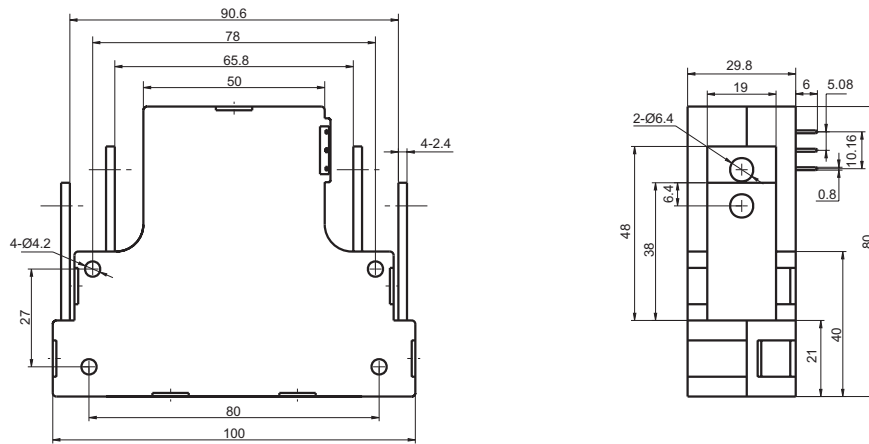


OUTLINE DIMENSIONS AND WIRING DIAGRAM

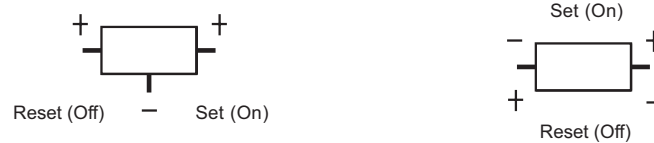
Unit: mm

Outline Dimensions

Type B contact terminal



Coil Wiring Diagram



Remark: In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.

Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

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