

ORDERING INFORMATION

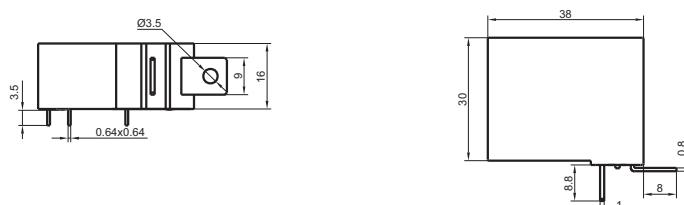
	HFE9	-3	12	-H	S	T	-R	X	X-X	(XXX)
Type										
Version	1: 1 type (1 coil latching) 2: 2 type (1 coil latching) 3: 3 type (2 coil latching)									
Coil voltage	5, 6, 9, 12, 24, 48VDC									
Contact form	H: 1 Form A									
Construction ¹⁾	S: Wash tight Nil: Dust protected									
Contact material	T: AgSnO ₂ Nil: AgCdO									
Polarity	R: Negative polarity Nil: Positive polarity									
Solder direction of twisted wire	A to S: See below direction of solder wire Nil: Without solder wire									
Twisted copper wire length	First X: length of left side Second X: length of right side									
Customer special code	(124): Inrush load type									

Notes: 1) Under the ambience with dangerous gas like H₂S, SO₂ or NO₂, wash tight type is recommended; Please test the relay in real applications. If the ambience allows, dust protected type is preferentially recommended.

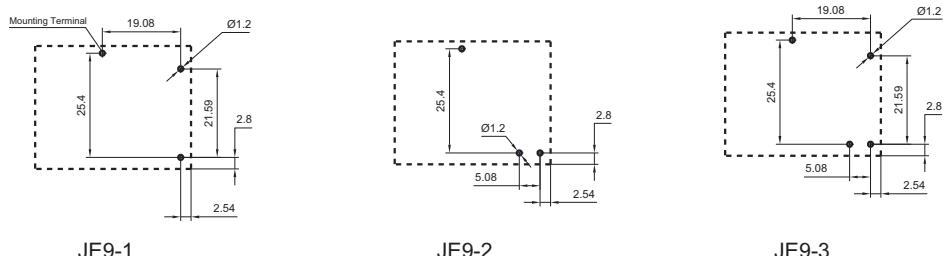
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Outline Dimensions



PCB Layout (Bottom view)

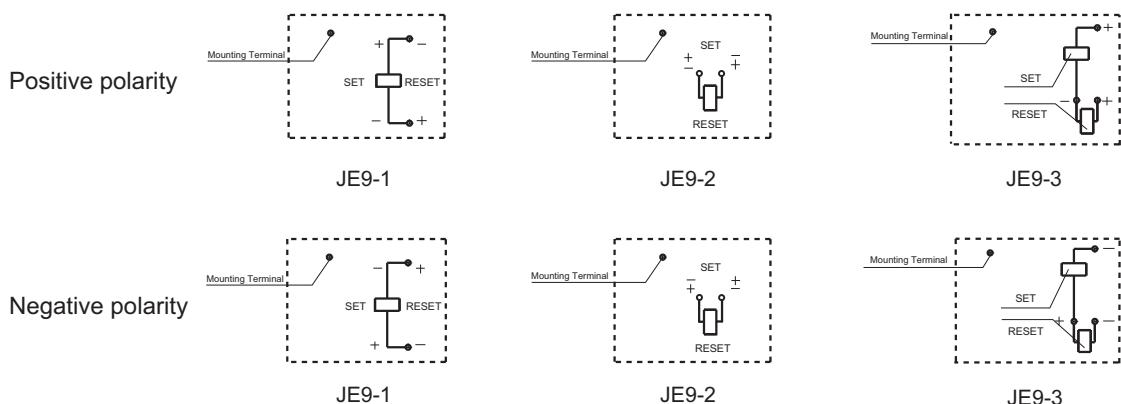


Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

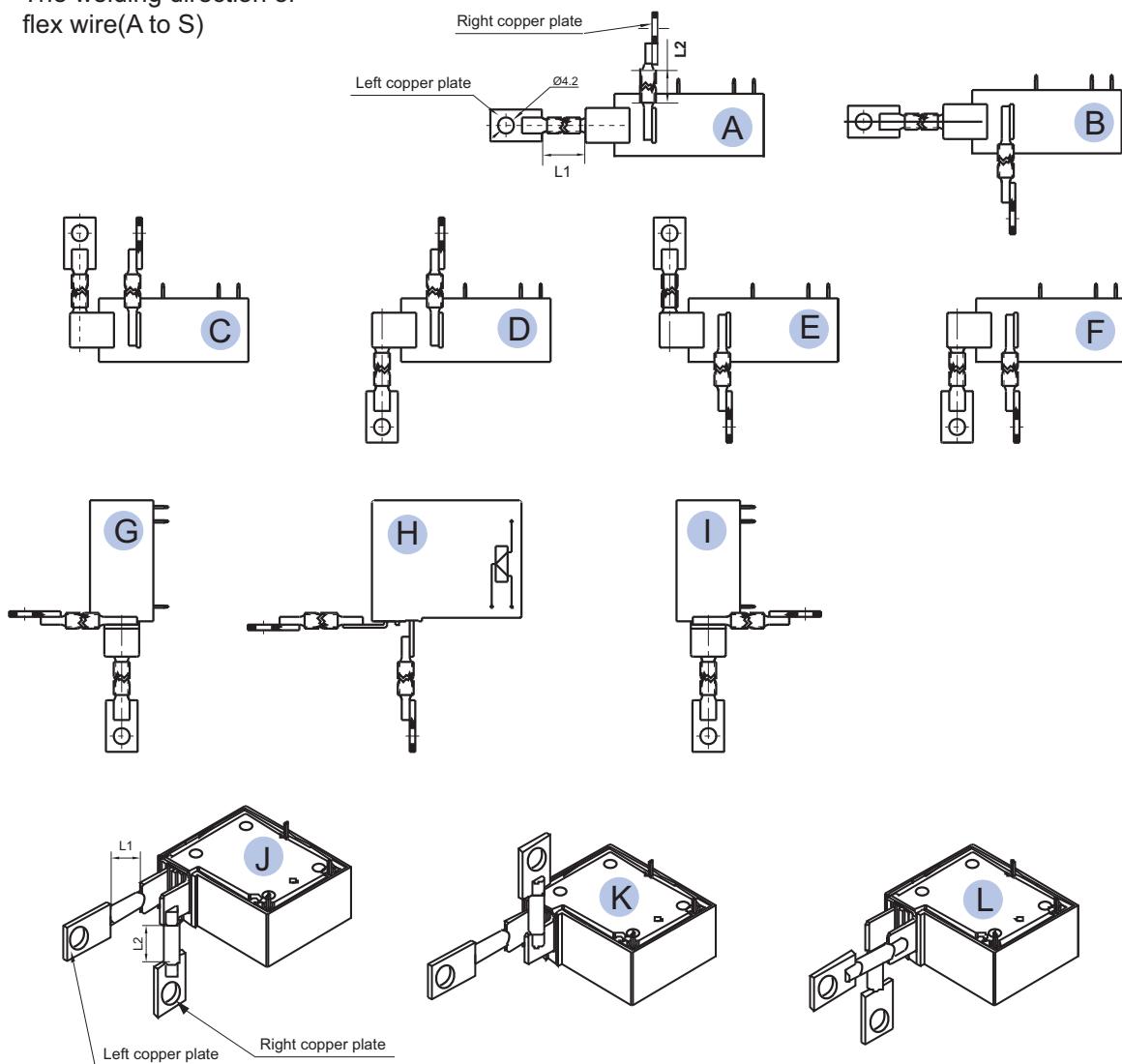
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Wiring Diagram (Bottom view)



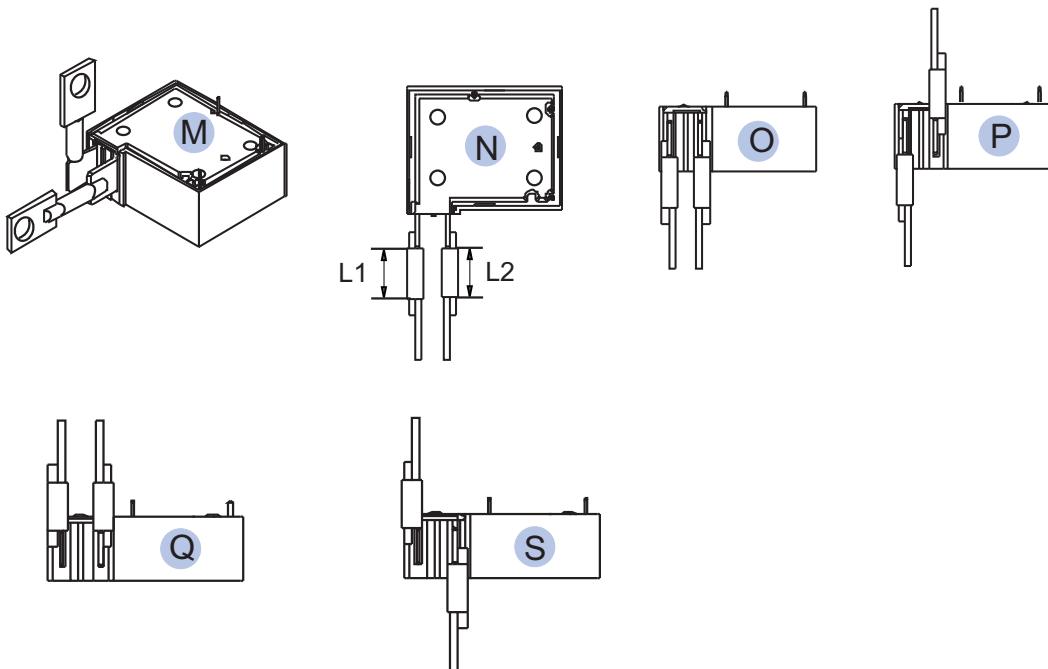
The welding direction of flex wire(A to S)



OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

The welding direction of flex wire(A to S)

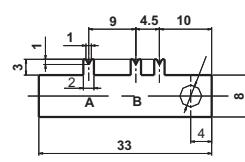


Note:

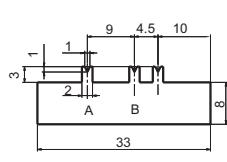
1. Melt both ends of the flex wire at 5mm, then weld it together with copper plate and relay terminals(anti-tensile strength \geqslant 50N)
 2. Weld the copper plate with flex wire. the anti-tensile strength should be 50N, please see the sketch map from right side to left side
 3. The welding direction of flex wire should be orientated to state-spring.
 4. ORDERING INFORMATION: JE9-X/XX-HS-R A 50 / 80
- Welding sketch map: A type _____
- The length of flex wire
 ● The length of right side flex wire L1=50mm:
 ● The length of left side flex wire L2=50mm: _____

Style of manganin shunt

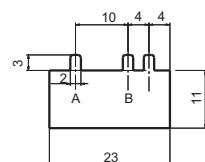
Notes: Style F1 to F44, the thickness of shunt: h=1 or h=2, R: resistance of shunt between A-B ($\mu\Omega$, $\pm 6\%$)



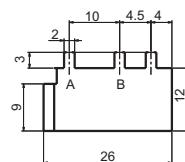
F1(h=1,R=500), F2(h=2,R=250)



F3(h=1,R=500), F4(h=2,R=250)



F5(h=1,R=400), F6(h=2,R=200)

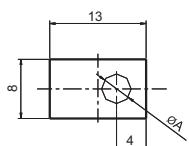


F7(h=1,R=360), F8(h=2,R=180)

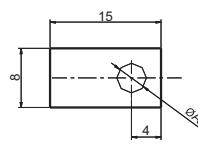
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Unit: mm

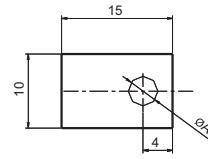
Conneter style



Style 056: A=Ø4.2
Style 056-1: A=Ø5.2

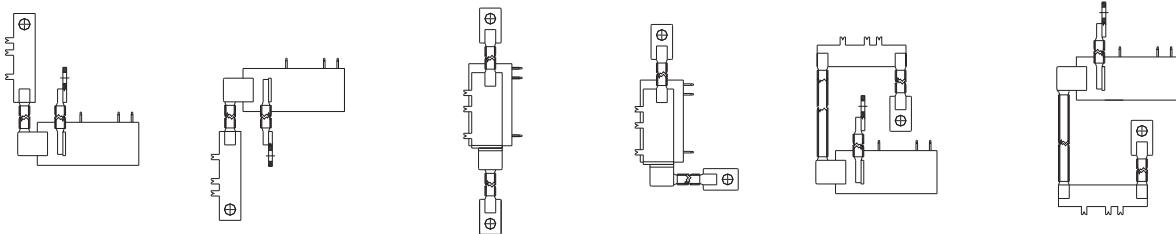


Style 076: A=Ø4.2
Style 076-1: A=Ø5.2



Style 077: A=Ø4.2
Style 077-1: A=Ø5.2
Style 077-2: A=Ø6.2

Typical shunt connection ways



Notes: We can make special connection according to customer's requirement.

Please provide us with the drawing, and shunt specification and copper plate's specification.

- Remark:**
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 - 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

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 flex wire can not be tin-soldered, can not be moved willfully, more over two terminals can not be fixed at the same time.

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.