



Features

1. Sealed with high-strength epoxy resin, no risk of arc leakage, ensuring no fire or explosion within the service life.
2. Protection grade: IP67
Potting with mainly nitrogen inert gas improves arc extinguishing performance and effectively prevents contact oxidation and burnout. The contact resistance is low and stable, and the contact part can meet the IP67 protection grade.
3. 150A 85°C long time current carrying capacity.
4. Insulation resistance reaches 100MΩ (1,000VDC), and the withstand voltage between the contact and the coil is 3.5kV.
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5. Compliant with IEC 60664-1, GB/T14048.1 and GB/T14048.4 requirements.
6. Comply with RoHS (2015/863/EU), REACH (1907/2006/EC), ANSI/UL 60947-4-1-2014 requirements.
7. Safety certificate: CE, CCC, RoHS.

Main Contact Specification

Contact Arrangement	1K (1NO)
Contact Polarity	Non-polarity
Contact Resistance	0.5mΩ (at 150A)
Max. Switching Voltage	1,000VDC
Max. Breaking Current	1,500A (320VDC) 1 (Ops)
Electrical Endurance (Resistive Load)	10,000 (Ops) (1,000VDC, 150A)
	15,000 (Ops) (750VDC, 150A)
	20,000 (Ops) (500VDC, 150A)
Mechanical Endurance	300,000 (Ops)
Withstand Current	150A 150A, Continuous
	200A, 60min
	300A, 5min
	900A, 10s
Temperature Rise	55K 35mm ² 150A Main Contact Temperature Rise: 55K(35mm ² , 150A Continuous)

Auxiliary Contact Parameter

Aux. Contact Arrangement	FK/FB/FZ (1NO/1NC/1FZ)
Aux. Contact Rated Current	5A
Aux. Contact Max. Breaking Voltage	120VDC

Performance Parameter (at 23°C)

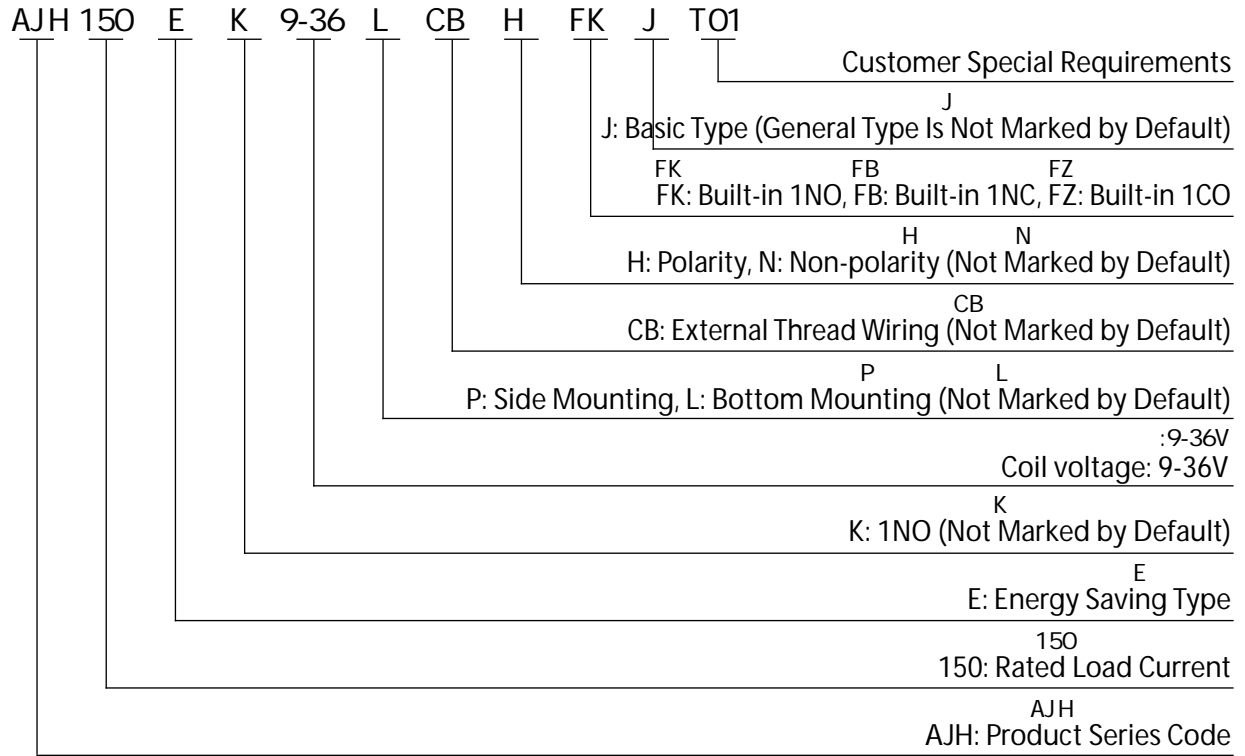
Pickup Voltage	See Coil Parameter Tables	
Dropout Voltage	See Coil Parameter Tables	
Pickup Time	30ms	
Contact Bounce Period	5ms	
Dropout Time	10ms	
Dielectric Strength	Between Main Contacts	10,000VDC 10s
	Between Main Contact and Coil	3,500VDC 1min
Insulation Resistance	Initial State	100MΩ 1min
	After Electrical Life	50MΩ 1min
Shock	Stability	20g 20g (Power On)
	Strength	50g
Vibration	10g, 10-500Hz, 1/2 10g, 10-500Hz, 1/2 Sine Wave (Power On)	
Relative Humidity	5% ~ 95% RH	
Temperature	-40 ~ -85	
Load Terminal	M8 M8 External Thread	
Weight	About 480g	
Dimension	80x65.5x72.5mm	
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AJH150E

AJH150E Coil Parameter

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Model Coding

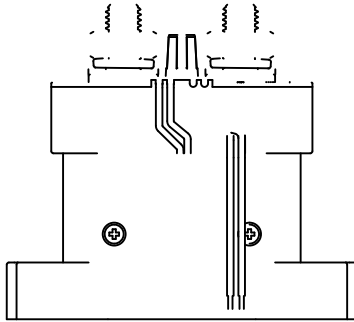


Wiring Diagram

Outline Installation Dimension Drawing

2-M8

8-10N.m



400± 50mm

2-M5

2-3N.m

x2()

Usage Cautions

1.

Regarding the application of this product, please select the matching product according to your specific use conditions and environmental requirements when selecting the product. If the requirements are not clearly specified, please contact AOKAI to obtain more technical support.

2.

When installing and using this product, regardless of wiring or fixed installation, it is required to use anti-loose spring washers.

4.