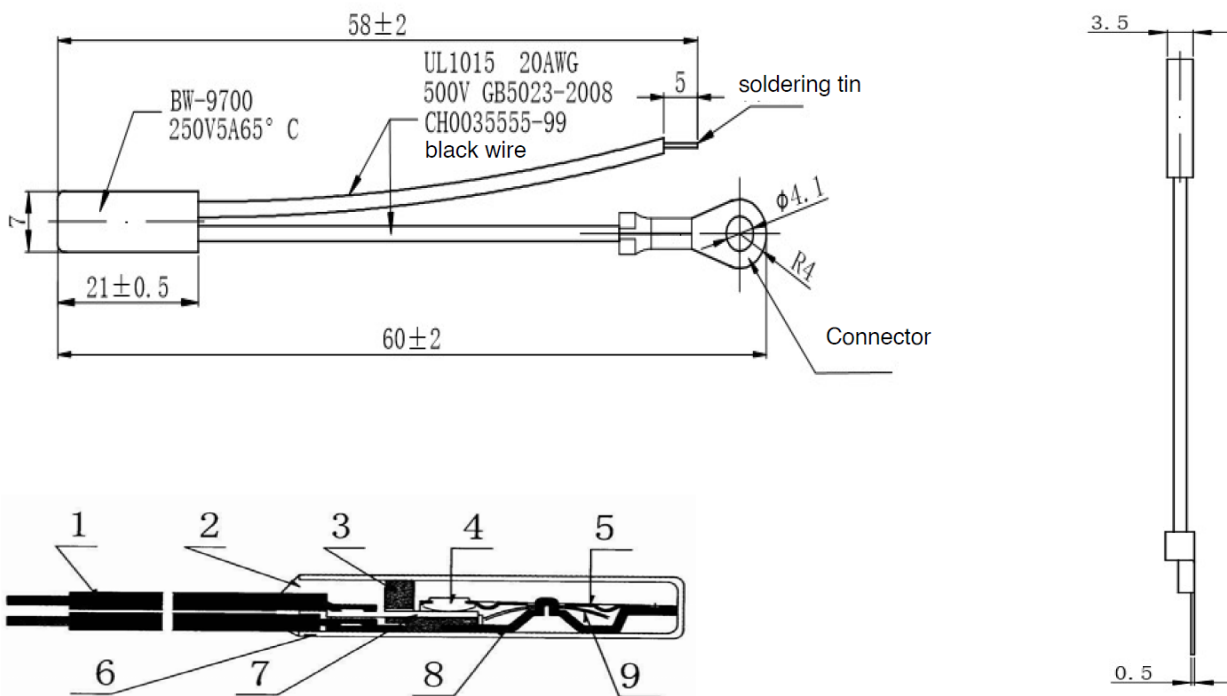
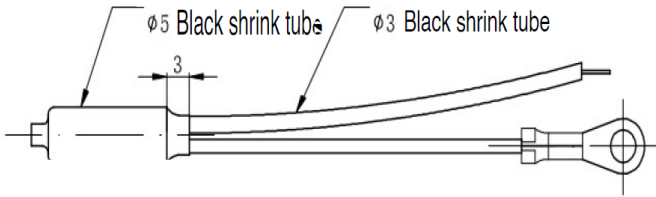


PEPI FUSE - PS-650LS

TECHNICAL DRAWINGS



1	Fep insulated wire	6	Plastic/metal enclosure
2	Epoxy potting compound	7	Static piece
3	Washer	8	Base
4	Active contact	9	Bimetal
5	Spring piece		



GLOBAL HEADQUARTERS
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PEPI FUSE - PS-650LS

TECHNICAL SPECIFICATIONS

APPEARANCE

No crack, distortion or corrosion on the shell of the heat protector.
Correct, clear and durable mark.

TECHNICAL SPECIFICATIONS

Rated Electric

Rated current: AC250V/5A AC115V/8A
Maximum short circuit current: DC 12V 100A
Maximum operation current: DC 5V 10mA

Operating Temperature

Get on: 60±5 °C
Reset temperature (ON): Operating temperature declines to 15°C - 45°C
Difference between on and off: Over 15°C
See temperature table for more information

Contact Resistance

On the condition of contact closing, the contact resistance between two contacts of the heat protector should not be over 50mΩ.

Insulation Resistance

Insulation resistance: >100mΩ

Electric Tension

Tested by applying basic sine wave trial pressure with a frequency of 50 Hz, results of no flashover or puncture within one minute.
On the condition of contacts being cut off by heat, the pressure between two outlet threads: 500V
On the condition of contacts long-time close, the pressure between outlet thread and insulation surface of shell: 1500V

Humidity Resistance

Tested by placing in ambient temperature of 25°C and relative humidity of 95% for 10 hours. Meets specifications of insulation resistance and electric tension with no changes to appearance.

Circulative Heating

Tested by placing every 2 hours at the temperatures -20°C and 90°C, circulating 10 times. Meets the specifications of insulation resistance and electric tension with no change to appearance or formation

Heat Resistance

Tested by placing at the temperature of 140°C for 10 hours. Meets the specifications of insulation resistance and electric tension with no change to appearance or formation.

Cold Resistance

Tested by placing at the temperature of -20°C for 10 hours. Meets the specifications of insulation resistance and electric tension with no change to appearance or formation.
Variation of operating temperature is within 5°C.

Duration of Repeated Ons & Offs

Under normal temperature, connected to the rated load with a current of 50Hz, pressure of 220V, power of COS=0.7, after testing 2000 times, the rated operating temperature should be within ± 5°C of initial data; no soldering happens on contacts and heat protector could still operate after testing 4000 times.

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TECHNICAL SPECIFICATIONS

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Vibration Resistance

Tested by performing fixed test with vibration frequency 50Hz and displacement 0.35mm for 90 minutes, the rated disconnected temperature should apply for the operating temperature specifications after testing.

Impulsion Resistance

Tested by dropping randomly from the level of 1200mm to concreted ground, after three times, no changes on the appearance and formation.

Lead Stretching Tensile

Tested by performing axial static pull no less than 30N, for 5 minutes, no break, loosening or fall off on leads.

MARKED OPERATING TEMPERATURE	DISCONNECTED TEMPERATURE	RESET TEMPERATURE	MARKED OPERATING TEMPERATURE	DISCONNECTED TEMPERATURE	RESET TEMPERATURE
45°C	45±5 °C	Operating temperature declines 15°C - 45°C	105°C	105±5 °C	Operating temperature declines 15°C - 45°C
50°C	50±5 °C		110°C	110±5 °C	
55°C	55±5 °C		115°C	115±5 °C	
60°C	60±5 °C		120°C	120±5 °C	
65°C	65±5 °C		125°C	125±5 °C	
70°C	70±5 °C		130°C	130±5 °C	
75°C	75±5 °C		135°C	135±5 °C	
80°C	80±5 °C		140°C	140±5 °C	
85°C	85±5 °C		145°C	145±5 °C	
90°C	90±5 °C		150°C	150±5 °C	
95°C	95±5 °C		170°C	170±5 °C	
100°C	100±5 °C		180°C	180±5 °C	

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