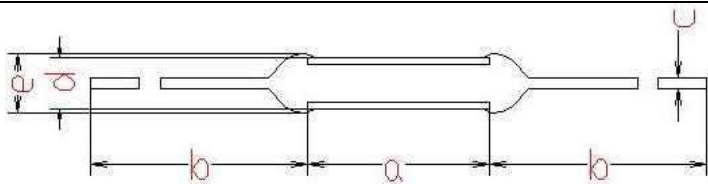


## 1. 产品介绍(Product introduction)

AUPO 温度保险丝是一种不可复位型热敏保护器件，用于家用电器及工业设备的过热保护，当周围温度升高到某不正常温度时，温度保险丝感受外界温度状态，将电路切断。它的全密封结构确保其熔断系统稳定可靠，不受外界潮湿等恶劣环境影响。它的主要特点是：对外界温度感受灵敏；动作温度准确、稳定；体积小，密封式结构；性能可靠，已获多个国际安全标准认证。

The AUPO thermal cutoff is an unresettable thermal protect instrument. It is used in household appliances and industry instrument for thermal protecting. When an ambient temperature of the thermal cutoff rises to an abnormal temperature, the thermal cutoffs tastes the ambient temperature and open the circuit. Its all-sealed structure insures the stability and reliability, and it is not influenced by ambient humidity and so on. Its main features are: extremely sensitive to ambient temperature; precise and stable functioning temperature; compact, epoxy-sealed structure; reliable, approved by various international safety standards.

## 2. 外观和外形尺寸(The appearance and dimension)



尺寸(mm)

Model No	a	b	c	d	e
P*-1A-F	6.5 ± 0.5	38 ± 3	Φ0.54± 0.05	Φ2.1± 0.1	2.4 or below
P*-F	9.0± 0.5	38 ± 3	Φ0.54± 0.05	Φ2.5± 0.1	3.0or below
P*-3A-F	10.0 ± 0.5	38 ± 3	Φ0.6± 0.02	Φ3.0± 0.1	3.3or below
P*-5A-F	11.5 ± 0.5	38 ± 3	Φ0.6± 0.02	Φ3.3± 0.2	3.6or below

### 3. 型号及主要技术参数 (Model and main technical parameters)

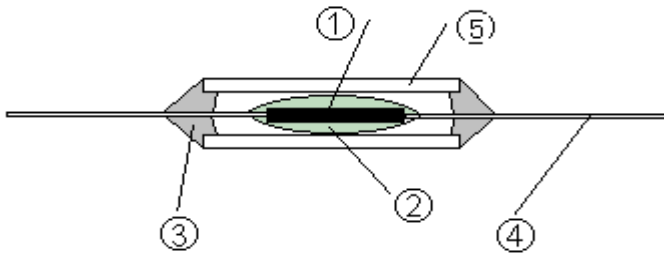
型号 Model No		额定动作温度 Tf(°C)	保持温度 Th(°C)		极限温度 Tm(°C)		额定电流 Ir(A)	额定电压 Ur(Vac)
			UL	VDE	UL	VDE		
P0	P0-3A-F	84	55	55	180	200	3	250
	P0-5A-F		55	55	180	200	5	
P1	P1-1A-F	102	76	79	180	200	1	250
	P1-F		76	79	180	200	2	
	P1-3A-F		63	63	180	200	3	
	P1-5A-F		63	63	180	200	5	
P2	P2-1A-F	115	85	92	180	200	1	250
	P2-F		85	92	180	200	2	
	P2-3A-F		75	75	180	200	3	
	P2-5A-F		75	75	180	200	5	
P3	P3-1A-F	125	97	101	180	200	1	250
	P3-F		97	101	180	200	2	
	P3-3A-F		85	85	180	200	3	
	P3-5A-F		85	85	180	200	5	
P4	P4-1A-F	130	102	107	180	200	1	250
	P4-F		102	107	180	200	2	
	P4-3A-F		90	90	180	200	3	
	P4-5A-F		90	90	180	200	5	
P5	P5-1A-F	135	105	112	180	200	1	250
	P5-F		105	112	180	200	2	
	P5-3A-F		90	90	180	200	3	
	P5-5A-F		90	90	180	200	5	
P9	P9-1A-F	138	108	115	180	200	1	250
	P9-F		108	115	180	200	2	
	P9-3A-F		95	93	180	200	3	
	P9-5A-F		95	93	180	200	5	
P7	P7-1A-F	150	120	126	180	200	1	250
	P7-F		120	126	180	200	2	
	P7-3A-F		105	105	180	200	3	
	P7-5A-F		105	105	180	200	5	

#### 4. 实测动作温度、耐压、绝缘电阻、扭转

(Fusing-off temperature、Withstand voltage、Insulation resistance、Twist)

型号 Model No		额定动作温度 Tf (°C)	实测动作温度 Fusing-off temperature (°C)	耐压(极壳) Withstand voltage (V)	绝缘电阻(极壳) Insulation resistance (MΩ, DC 500V)	扭 转 Twist (次)
P0	P0-3A-F	84	74-84	1500	>2	1
	P0-5A-F					
P1	P1-1A-F	102	92-102			
	P1-F					
	P1-3A-F					
	P1-5A-F					
P2	P2-1A-F	115	105-115			
	P2-F					
	P2-3A-F					
	P2-5A-F					
P3	P3-1A-F	125	115-125			
	P3-F					
	P3-3A-F					
	P3-5A-F					
P4	P4-1A-F	130	120-130			
	P4-F					
	P4-3A-F					
	P4-5A-F					
P5	P5-1A-F	135	125-135			
	P5-F					
	P5-3A-F					
	AP5-5A-F					
P9	P9-1A-F	138	128-138			
	P9-F					
	P9-3A-F					
	P9-5A-F					
P7	P7-1A-F	150	140-150			
	P7-F					
	P7-3A-F					
	P7-5A-F					

## 5. 产品结构说明 (Structural instruction )



- (1): 易熔合金 Thermal alloy
- (2): 特殊树脂 Special resin compound
- (3): 环氧树脂 Epoxy
- (4): 镀锡铜线 Lead wire
- (5): 外壳 Case

## 6. 参数说明(Parameter specifies)

<p>额定动作温度 <b>Rated functioning temperature</b> (<math>T_f</math>)</p>	<p>温度保险丝按安全标准规定方法测试，改变其导电状态的温度。按基于 IEC60691 的安规标准规定，温度保险丝必须在上述温度+0/-10℃范围内动作。简称 <math>T_f</math>。</p> <p>According to the safety standard temperature fuse, to change its method to measure the temperature of the conductive state. Press IEC60691 safety standards based on the above, temperature fuse must temperature + 0 / - 10 °C scope action . Abbreviation for <math>T_f</math>.</p>
<p>实际动作温度 <b>Fusing-off temperature</b></p>	<p>温度保险丝在硅油池内以每分钟 0.5 - 1.0℃速率升温，检测电流小于 10mA 条件下所测得的熔断温度。它是温度保险丝的实际动作温度。</p> <p>In the pool of silicone oil temperature fuse per minute 0.5 ~ 1.0 °C temperature, detection rate of 10mA current conditions are less than temperature measurement of fusing. It is the actual action temperature fuse.</p>
<p>保持温度 <b>Holding temperature</b> (<math>T_h</math>)</p>	<p>温度保险丝在通过额定电流时，能保持 168 小时而不会改变其导电状态的最高温度. 用 <math>T_h</math> 表示。</p> <p>Temperature fuse in through the rated current, can maintain 168 hours without changing its conductive state's highest temperature. Abbreviation for <math>T_h</math>.</p>
<p>极限温度 <b>Maximum temperature limit</b> (<math>T_m</math>)</p>	<p>温度保险丝能承受 10 分钟而不会发生重新接通现象的最高温度。简称为 <math>T_m</math>。</p> <p>Temperature fuse can withstand 10 minutes and won't happen to connect the highest temperature phenomenon. Abbreviation for <math>T_m</math>.</p>
<p>额定电流 <b>Rated current</b> (<math>I_r</math>)</p>	<p>温度保险丝所能承载的最大电流。</p> <p>Temperature fuse can carry the maximum current</p>
<p>额定电压 <b>Rated voltage</b> (<math>U_r</math>)</p>	<p>温度保险丝最高工作电压。</p> <p>Temperature fuse highest working voltage.</p>

## 7. 安全认证编号 (Safety certification number)

型号 Model No		UL/CUL	VDE	CCC	PSE	KTL
P0	P0-3A-F	E140847	40000039	2011010205464040	JET0749-32001-1005	
	P0-5A-F		40000039	2011010205464040		
P1	P1-1A-F		40002523	2009010205367406	JET0749-32001-1003	SU05017-5008C
	P1-F		40000032	2009010205367407		SU05017-5005C
	P1-3A-F		40000039	2011010205464040		
	P1-5A-F		40000039	2011010205464040		
P2	P2-1A-F		40002523	2009010205367406	JET0749-32001-1003	SU05017-5008C
	P2-F		40000032	2009010205367407		SU05017-5005C
	P2-3A-F		40000039	2011010205464040		
	P2-5A-F		40000039	2011010205464040		
P3	P3-1A-F		40002523	2009010205367406	JET0749-32001-1004	SU05017-5007C
	P3-F		40000032	2009010205367407		SU05017-5006C
	P3-3A-F		40000039	2011010205464040		
	P3-5A-F		40000039	2011010205464040		
P4	P4-1A-F		40002523	2009010205367406	JET0749-32001-1004	SU05017-5007C
	P4-F		40000032	2009010205367407		SU05017-5006C
	P4-3A-F	40000039	2011010205464040			
	P4-5A-F	40000039	2011010205464040			
P5	P5-1A-F	40002523	2009010205367406	JET0749-32001-1004	SU05017-5007C	
	P5-F	40000032	2009010205367407		SU05017-5006C	
	P5-3A-F	40000039	2011010205464040			
	AP5-5A-F	40000039	2011010205464040			
P9	P9-1A-F	40002523	2009010205367406	JET0749-32001-1004	SU05017-5007C	
	P9-F	40000032	2009010205367407		SU05017-5006C	
	P9-3A-F	40000039	2011010205464040			
	P9-5A-F	40000039	2011010205464040			
P7	P7-1A-F	40002523	2009010205367406	JET0749-32001-1006	SU05017-5007C	
	P7-F	40000032	2009010205367407		SU05017-5006C	
	P7-3A-F	40000039	2011010205464040			
	P7-5A-F	40000039	2011010205464040			

## 8. 环保 (Environmental)

(1) 符合 RoHS 环保指令.

Comply with the RoHS environmental directives.

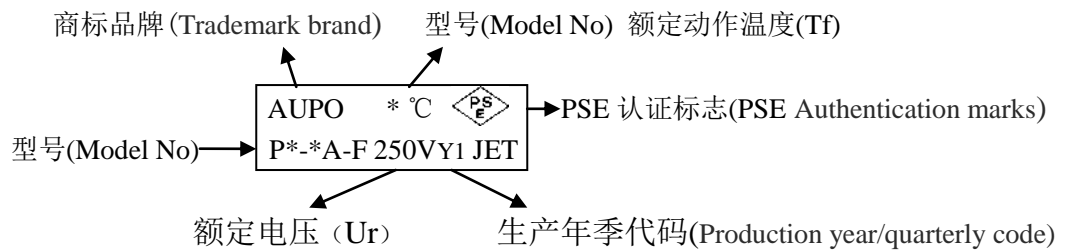
(2) 符合 SONY SS-00259.

Comply with SONY SS - 00259.

(3) 符合 REACH 法规中 SVHC (高关注物质) 物质含量的要求.

Comply with the REACH regulation SVHC (high attention substance) material content requirements.

## 9. 印刷标志 (Printing marks)



注: (Note)

年的代表方式 Years of representative way	Y、Z、C、D、E..... (除 A、B、P、S、T 外, 按照英文字母顺排) In addition to A, B, P, S, T outside, according to the English letters along the line
	11、12、13、14、15..... (按照 D 等于 1 的等差数列排序顺排) According to the D equals 1 contiguous Numbers along the sorting row
季度的代表方式 Quarterly representative ways	1、2、3、4 代表一年的四季 (represents a year of four seasons )

如: “Y”、“Z” 代表 11 年、12 年。“Y1”、“Y2” 代表 11 年第一、第二季度;

For example: “Y”、“Z” Representative for 11、12 years.

“Y1”、“Y2” Representative 11 years first and second quarter ;

## 10. 包装 (packaging)

每 100 只产品为一个小包装单位, 每 10 小包产品为一个大包装单位。

A small package includes 100Pcs. A big package includes 10 small packages. One big package contains 1000pcs of thermal cutoffs (10×100pcs)

## 11. 备注说明 (note)

设计应用或安装温度保险丝之前请阅读我司产品目录上的《温度保险丝安装使用注意事项》

Please study the <Thermal cutoff application instruction> on our products catalog before designing or installing AUPO Thermal cutoffs.