

### 产品描述 Description

赛尔特 (SETsafe | SETfuse) 17AM 系列为小型化、高性能成本比的电动机热保护器。主要用双金属片来感应电流、温度。当双金属片的温度达到预校准温度时，双金属片立即快速跳脱，断开电路。当外界设备的温度回复到额定工作温度后，17AM 将自动复位，恢复电路供电。

SETsafe | SETfuse 17AM is a miniature device with high performance cost ratio for thermal motor protector. The bimetal disc senses both heat and current from the equipment which 17AM is installed on. When the temperature of the bimetal disc reaches the pre-calibration temperature, the bimetal disc will snap off quickly and break the circuit. When the equipment returns to a normal operating temperature, 17AM will automatically resets allowing power to be restored to the circuit.



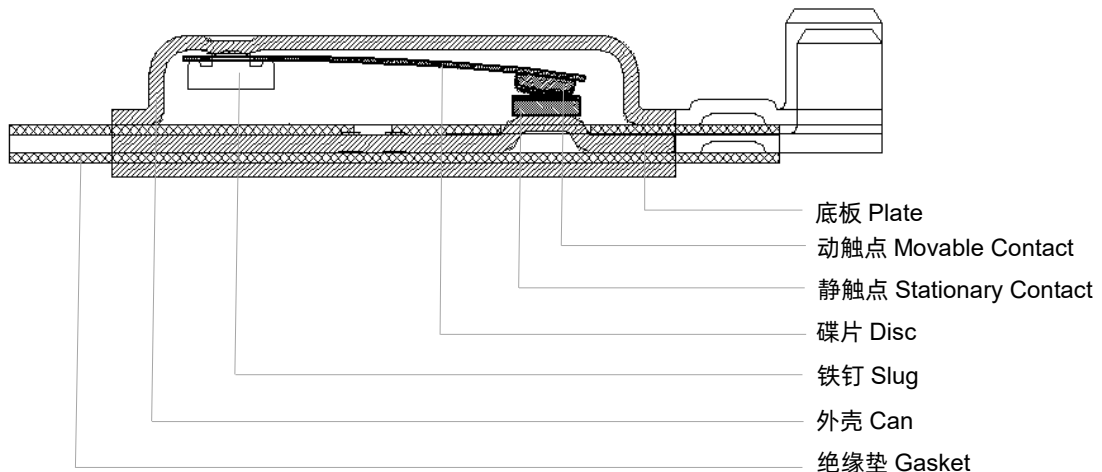
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### 应用领域 Applications

- 罩极式电机
- 分体式电容电机
- 荧光灯镇流器
- HID 镇流器
- 变压器
- 照明设备
- 电池组
- 吸尘器
- 汽车用品电机
- 螺线管
- PCB 板
- Shaded Pole Motors
- Permanent Split Capacitor Motors
- Fluorescent Lighting Ballasts
- HID Ballasts
- Transformers
- Lighting Fixtures
- Battery Packs
- Vacuum Cleaners
- Automotive Accessory Motors
- Solenoids
- PCB

### 结构图 Structure Diagrams



安规认证 Agency Approvals

认证标志 Agency Mark	标准 Standards	认证号 File No.
	UL60730-1 UL60730-2-22	On-going
	UL60730-1 UL60730-2-9	On-going
	UL60730-1 UL60730-2-3	On-going
	CSA E60730-2-3	On-going
	CSA E60730-1 CSA E60730-2-9	On-going
	CSA E60730-1 CSA E60730-2-3	On-going
	EN 60730-1 EN 60730-2-22	On-going
	EN 60730-1 EN 60730-2-9	On-going
	EN 60730-1 EN 60730-2-3	On-going
	GB/T14536.1-2008 GB/T14536.3-2008	On-going
	GB/T14536.1-2008 GB/T14536.10-2008	On-going
	GB/T14536.1-2008	On-going

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# 热保护器

Thermal Protector (TMS)

17AM系列 Series

## 技术参数 Specifications

	寿命 Cycle Life	电压 Rated Voltage (Ur)	电流 Rated Current (Ir)
	循环次数 Cycles	(V)	(A)
触电容量 Contact Capacity	≥ 10,000	AC 277	8
	≥ 10,000	AC 120	15
	≥ 10,000	DC 24	15
接触电阻 Contact Resistance	≤ 50 mΩ		
动作温度范围 Operating Temperature	50 °C ~ 175 °C (每 5 °C 一档) in increments of 5K		
长期工作温度 Long-term Service Temperature	-20 °C ~ 180 °C		
电气强度 Electric Strength	1700 V.r.m.s. 60 Hz, 1 minute, (端子与外壳间) Terminal to Case		
引线规格 Lead Wire Type	UL3135 18 AWG 600 V, (其他规格可定制) other wire size is also available		

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## 产品型号 Part Numbering System

17AM AAA B C - DDDD

### 引线种类 Lead Wire Type

接引线信息的序列号 Numbers for lead wire information and configuration.  
空白为不接引线 Blank means without lead wires.

### 温度公差 Temperature Tolerance

- 5: ±5 °C
- 8: ±8 °C
- 10: ±10 °C

### 端子类型 Terminal Type

见表-1 See Table-1

- A: 同侧接线端子 Terminal on same side
- B: 对侧接线端子 Terminal on opposite side

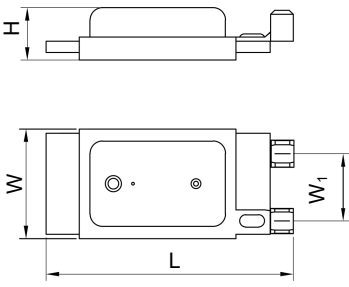
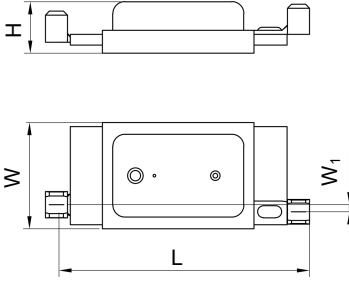
### 温度代号 Temperature Code

见表-2 See Table-2

### 系列 Series

17AM

表-1端子类型 Table-1 Terminal Type

类型 Type	尺寸 Dimensions (mm)	类型 Type	尺寸 Dimensions (mm)														
A		B															
	<table border="1"> <thead> <tr> <th>L (±0.5)</th> <th>H (±0.5)</th> <th>W (±0.5)</th> <th>W<sub>1</sub> (±0.2)</th> </tr> </thead> <tbody> <tr> <td>23.4</td> <td>4.7</td> <td>10.6</td> <td>6.5</td> </tr> </tbody> </table>		L (±0.5)	H (±0.5)	W (±0.5)	W <sub>1</sub> (±0.2)	23.4	4.7	10.6	6.5	<table border="1"> <thead> <tr> <th>L (±0.5)</th> <th>H (±0.5)</th> <th>W (±0.5)</th> <th>W<sub>1</sub> (±0.2)</th> </tr> </thead> <tbody> <tr> <td>26.3</td> <td>4.7</td> <td>10.6</td> <td>0.7</td> </tr> </tbody> </table>	L (±0.5)	H (±0.5)	W (±0.5)	W <sub>1</sub> (±0.2)	26.3	4.7
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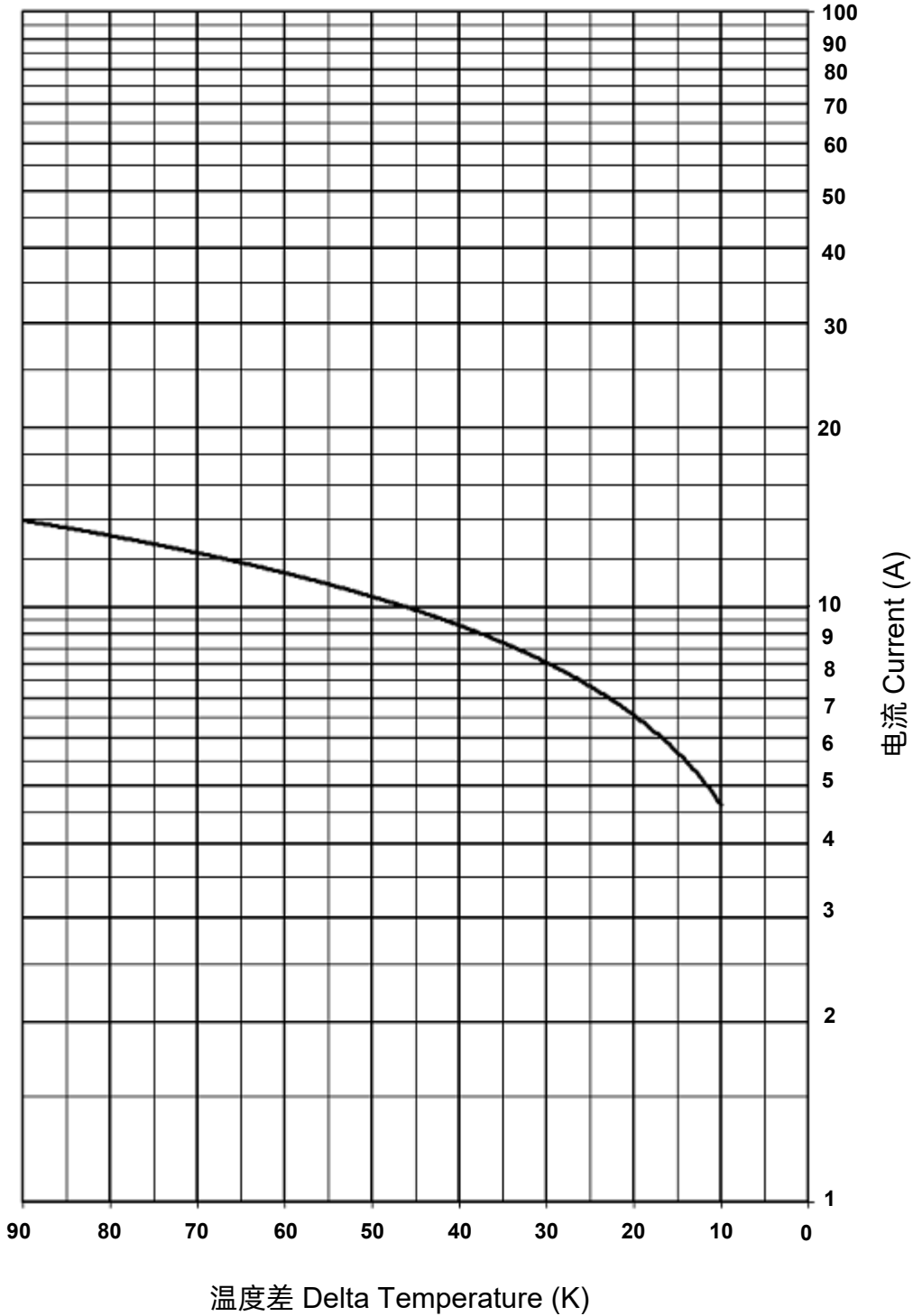
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表-2温度代码 Table-2 Temperature Code

双金属片类型 (Type of Bimetal Disc): 70 ohms / cmf

温度代号 Temperature Code	动作温度 Opening Temperature	温度代号 Temperature Code	动作温度 Opening Temperature
	(°C)		(°C)
017	50	030	115
018	55	031	120
019	60	032	125
020	65	033	130
021	70	034	135
022	75	035	140
023	80	036	145
024	85	037	150
025	90	038	155
026	95	039	160
027	100	040	165
028	105	041	170
029	110	042	175

临界跳闸电流和温差曲线 Ultimate Trip Current & Delta Temperature



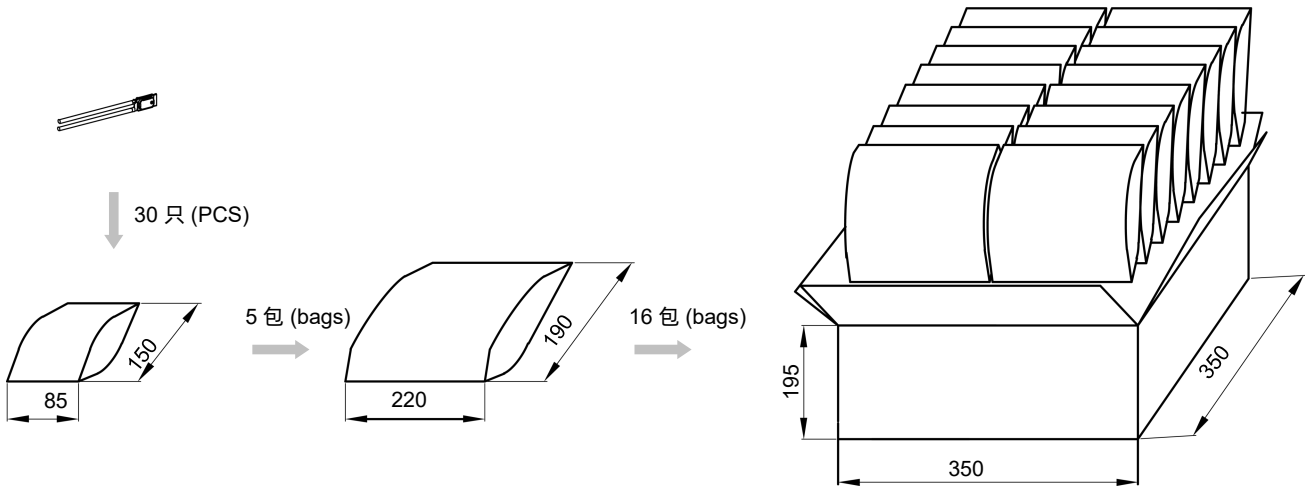
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包装信息 Packaging Information

散装 (以表-1 A 型, 线长 70 mm 为例)  
Bulk (Take Table-1 Type A, wire 70 mm as an example)

项目 Item	PE袋 PE Bag	PE袋 PE Bag	纸箱 Carton
尺寸 Dimensions (mm)	150 × 85	220 × 190	350 × 350 × 195
数量 Quantity (PCS)	30	150	2400
备注: 包装尺寸及数量仅供参考。 Remark: The dimensions and quantity of packaging is for reference only.			



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