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Thermal Protectors

17AMH and 17AMH+PTC

Thermal Protectors for Motors / Ballasts and temperature Sensing Controls

17AMH series thermal protectors are snap acting thermally operated bimetal electron mechanical devices. They are miniature ,light weight and precisely sensitive to both temperature and current. The sealed steel cases can be mounted directly on motor windings for fast detection of temperature changes. Robust construction and ability to withstand typical mechanical pressures make 17AMH ideal for installation during the manufacture of electric motors and transformers

17AMH+PTC includes a heating device on the basis of 17AMH thermal protector to add the power-off protection and delay protection that requires manual turn-off for reset and makes the protection more reliable and safer.

17AMH+PTC self-hold thermal protectors provide reliable protection against overheating and overcurrent in:

- *Various motors ,such as Shaded Pole Motors
- *Fluorescent lighting ballasts,HID ballasts
- *Battery packs, Transformers
- *Recessed lighting fixtures
- *Vacuum cleaners,pumps

*Automotive accessory motors,solenoids,PCBS

Why you should be using 17AMH Thermal Protectors in your product:

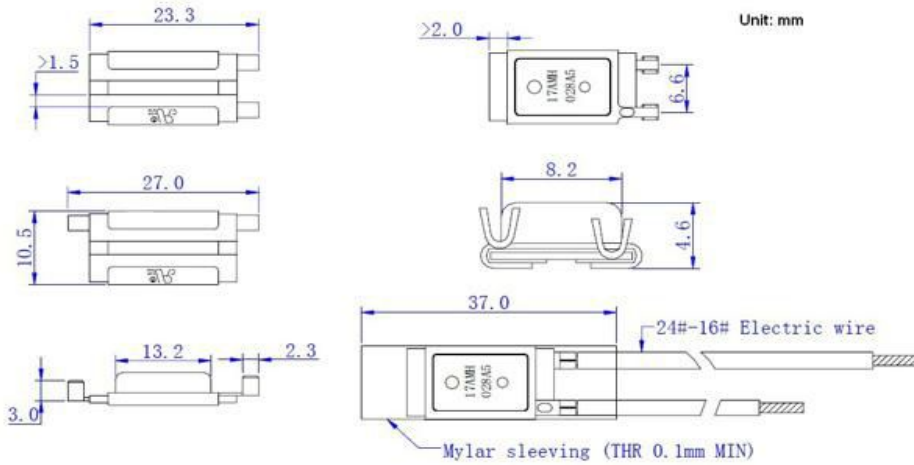
- *Miniature size ,easy to install *Individually temperature calibrated and checked.
- *Positive make and break with imported snap action bimetal disc.
- *Repeatable temperature performance over life
- *Gasket steel case suitable for many impregnation processes.
- *Both current and temperature sensitivity for maximum design flexibility.
- *Wide selection of leads and imported Mylar insulating sleeves.
- *Same side or opposite side terminals.
- *Strict RoHS environmental standard implemented for each component.
- *Cadmium free silver-nickel alloy contacts
- *Wide selection of trip off temperatures
- *Internal resistance as low as below 50 milliohm
- *High temperature resistant lead wire customizable as per customer requirements



Typical 17AMH 17AMH with cable and Mylar tube 17AMH terminals opposite side



17AMH+PTC



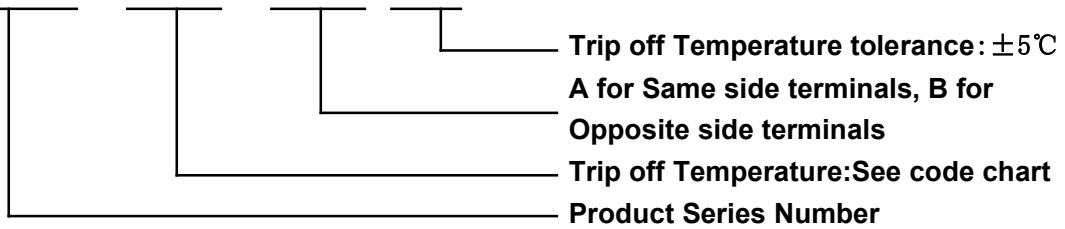
17AMH Dimensions

17AMH terminal Types	Dimensions in mm	Dimensions in inches
Same side terminal(A)	L23.3xW10.5xH4.6	L0.92xW0.41xH0.18
Opposite side terminal(B)	L27xW10.5xH4.6	L1.06xW0.41xH0.18
With Mylar sleeve /tube	L37xW11xH5.7	L1.46xW0.43xH0.22
Same side 17AMH+PTC(A)	L23.3xW11xH6.2	L0.92xW0.43xH0.24
With Mylar sleeve /tube	L37xW11.6xH7.5	L1.46xW0.46xH0.29

Numbering Rules

17AMH XXX

A/B 5



Specifications:

*Contact Life:AC120V 30A, AC240V 17A≥6. 000 cycles; AC120V 5A≥10. 000 cycles. *Trip off Temperatures : 55-180 °C

*Temperature tolerance:±5 °C

*Reset Temperature : 10-45 °C below the trip off temperatures

Approvals: **RoHS, UL, CUL, VDE**

Trip off temperature code chart:

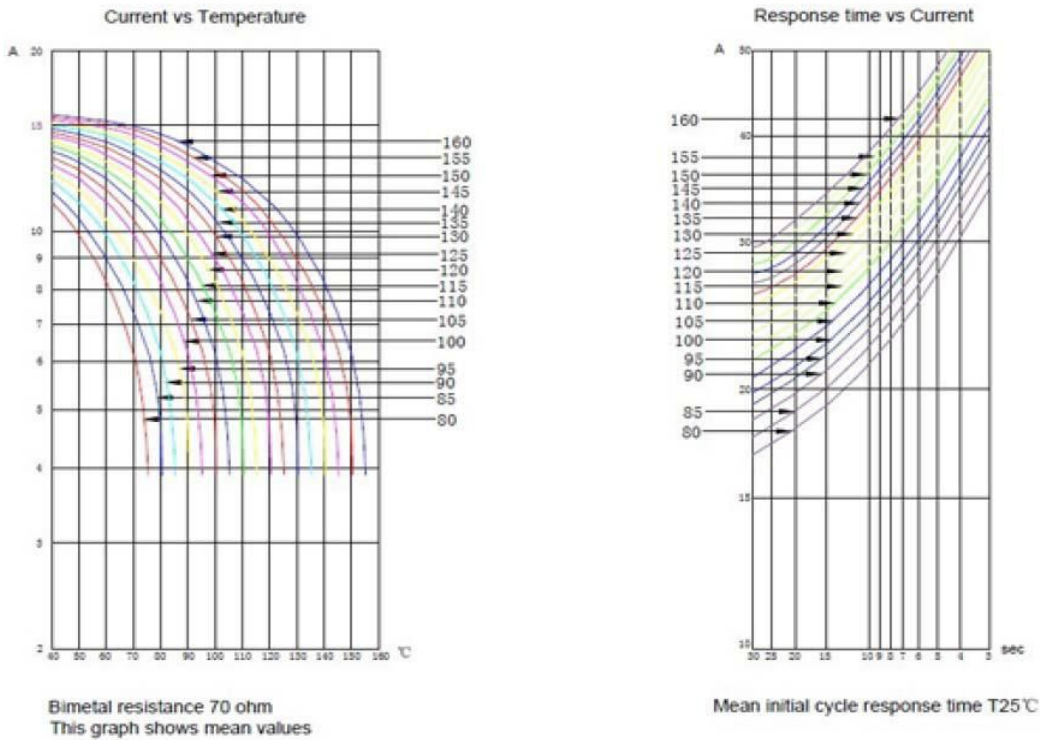
Code	trip off Temperature	Code	trip off Temperature	Code	trip off Temperature
018	55 °C	027	100 °C	036	145 °C
019	60 °C	028	105 °C	037	150 °C
020	65 °C	029	110 °C	038	155 °C
021	70 °C	030	115 °C	039	160 °C
022	75 °C	031	120 °C	040	165 °C
023	80 °C	032	125 °C	041	170 °C
024	85 °C	033	130 °C	042	175 °C
025	90 °C	034	135 °C	043	180 °C
026	95 °C	035	140 °C	044	185 °C

Function:

This thermal protector will cut off the circuit automatically in case of overcurrent or overheat

17AMH thermal protectors use the same snap-action principle of KLIXON protectors. The bimetal disc senses both heat and current from the equipment which 17AMH is installed on. When the temperature of the disc reaches a predetermined calibration point. the disc snaps open the contacts, thus breaking the current path. When the equipment returns to a normal operating range. The 17AMH protector resets (closes circuit) automatically.

17AMH+PTC manual reset thermal protector includes a heating device on the basis of 17AMH thermal protector for the situations where non-automatic reset motor protection is required and makes the protection more reliable and safer



Notes

Wire leads of various specs and lengths are at choice according to your requirements

A Mylar tube is recommended to prevent short circuit between the thermal protector metal case and the motor coil or other metal objects

We are especially expert at customizing non-standard thermal protectors as per your special requirements for the application. electric current and voltage,trip off temperatures, cables and mounting. Part of Our Customers:

Apply for FREE SAMPLES today with your requirements!