



KLIXON | 17AM THERMAL PROTECTOR FOR MOTOR

Ballast for Fluorescent and Temperature Sensing Controls

KEY BENEFITS

- Sensata Technologies Engineering knowledge base
- Provides mounting flexibility
- European supply
- Competitive price
- Local Engineering

The Sensata Technologies 17AM delivers the maximum protection in the smallest package at an excellent price... The KLIXON 17AM Thermal protector prevents overheating, It's a miniature, snap acting, thermally operated device that is a proven performer in protection technology. It protects against overheating in:

- Shaded Pole Motor
- Permanent split capacitor motor
- Fluorescent lighting ballasts
- HID ballasts
- Transformer
- Recessed lighting fixtures
- Battery packs
- Vacuum cleaners
- Automotive accessory motors, solenoids, PC boards and other applications

Here's why you should be using Sensata Technologie 17AM Thermal Protectors in your product:

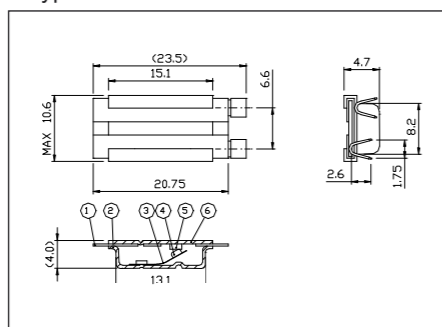
- Miniature size.
- Individually temperature calibrated and checked.
- Positive make and break with Klixon snap action disc.

- Repeatable temperature performance over life.
- Gasket steel case suitable for many impregnation processes.
- Current and temperature sensitivity for maximum design flexibility.
- Wide selection of leads and insulating sleeves.
- Same size and opposite side terminations.
- Cadmium free contacts

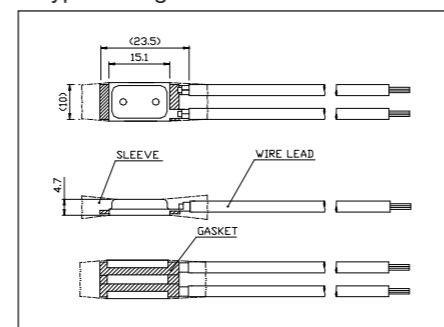
Operation

The 17AM Thermal protector uses the same snap-action principle of other KLIXON protectors. The bimetal disc senses both heat and current from the equipment which 17AM 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 17AM protector resets (close circuit) automatically. Construction and Configuration is as shown below.

A-type Construction

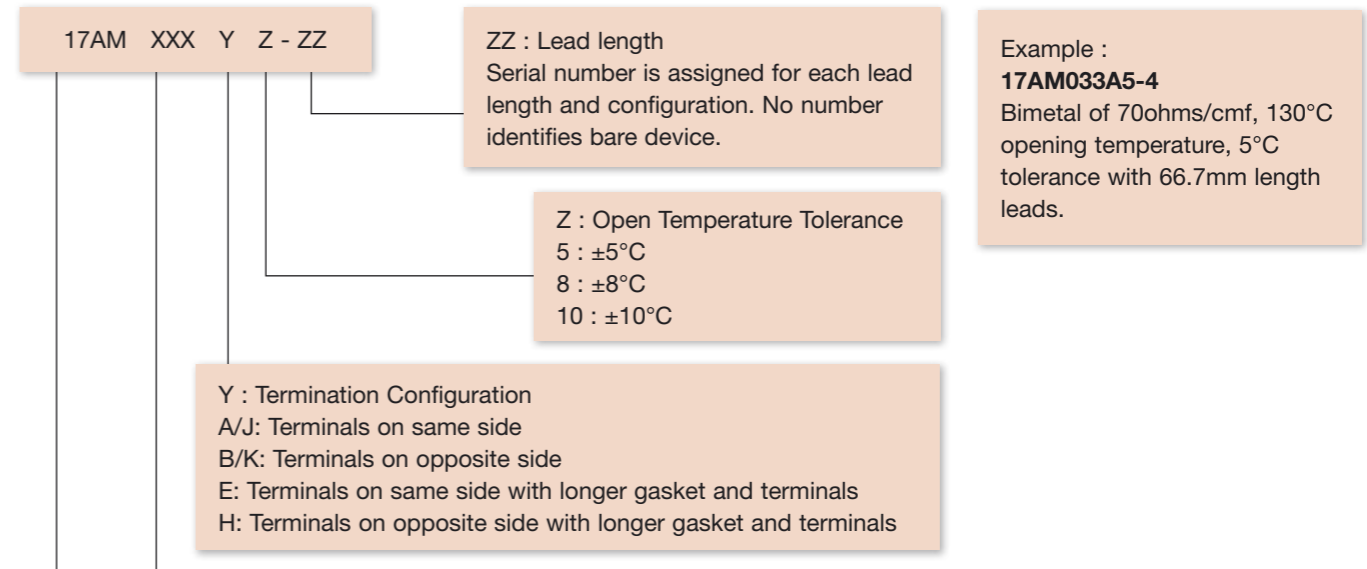


A-type Configuration



Unique Type Reference

It is clearly defined the numbering system to find what user needs to know as follows.



**XX : Open Temperature
3 digit number for opening temperature**

| Nominal Operating Temperature | Type of Bimetal Disc (ohms/cm ²) | | | |
|-------------------------------|--|-----|-----|-----|
| | 70 | 125 | 350 | 468 |
| 65 | 020 | 060 | - | - |
| 70 | 021 | 061 | 161 | 201 |
| 75 | 022 | 062 | 162 | 202 |
| 80 | 023 | 063 | 163 | 203 |
| 85 | 024 | 064 | 164 | 204 |
| 90 | 025 | 065 | 165 | 205 |
| 95 | 026 | 066 | 166 | 206 |
| 100 | 027 | 067 | 167 | 207 |
| 105 | 028 | 068 | 168 | 208 |
| 110 | 029 | 069 | 169 | 209 |
| 115 | 030 | 070 | 170 | 210 |
| 120 | 031 | 071 | 171 | 211 |
| 125 | 032 | 072 | 172 | 212 |
| 130 | 033 | 073 | 173 | 213 |
| 135 | 034 | 074 | 174 | 214 |
| 140 | 035 | 075 | 175 | 215 |
| 145 | 036 | 076 | 176 | 216 |
| 150 | 037 | 077 | 177 | 217 |
| 155 | 038 | 078 | 178 | 218 |
| 160 | 039 | 079 | 179 | 219 |

17AM : Device Identification

| Technical Characteristics | |
|--------------------------------|---|
| Contact Capacity: | 125Vac18A for TCO 250Vac9A for TCO 250Vac1A for TBP |
| Temperature Range: | 65°C to 160°C for TCO/TMP 65°C to 135°C for TBP |
| Tolerance on Open Temp: | +/- 5K, +/- 8K or +/- 10K |
| Max. temp. of the switch head: | max.160°C |
| Automatic Action: | Type3C for motor Type2C for ballast Type2B for TCO |
| Operating time: | Continuous |
| Pollution Situation: | Normal |
| Extent of sensing element: | whole control |
| PTI for Insulation: | 250 |
| Degree of protection: | IP00 |
| Electrical connections: | On winding, Inserting, Clamping, Bracketing or like |

| Certifications | | | |
|---|--------|------------|--------------------|
| Category | UL | ENEC | CCC |
| Motor Protector | E15962 | 2014531.05 | COC0200 2001332 |
| Ballast for Fluorescent and Thermal Cut Out | E34618 | 2014531.05 | - |
| Temperature Sensing Controls | E34618 | 2014531.05 | - |

Protectors are not registered in CCC(China Compulsory Certification) products list at present. CQC(China Quality Certification Centre) is a national certification body in China.