| 2AM/3AM/4AM/8AM SERIES

Motor Protector

Introduction

Klixon® automatic motor protectors (AM series) are small, light weight and sensitive to temperature and current. The sealed steel cases will stand most dip and bake processes and can be mounted directly on motor windings for fast detection of temperature changes.

2AM - 4AM

8AM

2/3/4AM SPECIFICATIONS

Application Range

Available in a range of temperature and current sensitivities, the 2AM is suitable for a wide variety of applications. Designed to be mounted on the windings of electric motors and transformers, the 2AM protects against overheating and electrical overloading, offering the highest standards of safety and long term reliability.

Robust Sealed Construction

The 2AM's steel case is epoxy sealed and then insulated with a Mylar® sleeve allowing direct mounting on the windings. Robust construction and ability to withstand typical mechanical pressures make the 2AM ideal for installation during the manufacture of electric motors and transformers. Where necessary, additional sealing can be provided to prevent epoxy ingress with specialized impregnation processes.

Flexibility

By adding a customized 3rd lead, the standard device becomes a dual circuit 4AM, ideal protection for dual voltage or dual speed applications. For higher horse power applications, the 3AM provides protection for fault conditions up to 60 Amps. With a range of anticipating heaters matching protector to motor from 6 to 60 Amps and operating temperatures from 90 to 150°C, the 2AM series provides unsurpassed design flexibility for motor and transformer applications.

8AM SPECIFICATIONS

Introduction

Designed specifically for motors with a fast rate of temperature rise (25-35°C/sec), the 8AM provides economical protection for a full range of motors and transformers ranging from washing machines to vacuum cleaners; computer disk drives to high capacity automotive motors.

This unique design is capable of providing all mode protection:

- Locked Rotor
- Running Overload
- Low Voltage
- Run Both Winding

Reasons to use the 8AM Protector in your Product

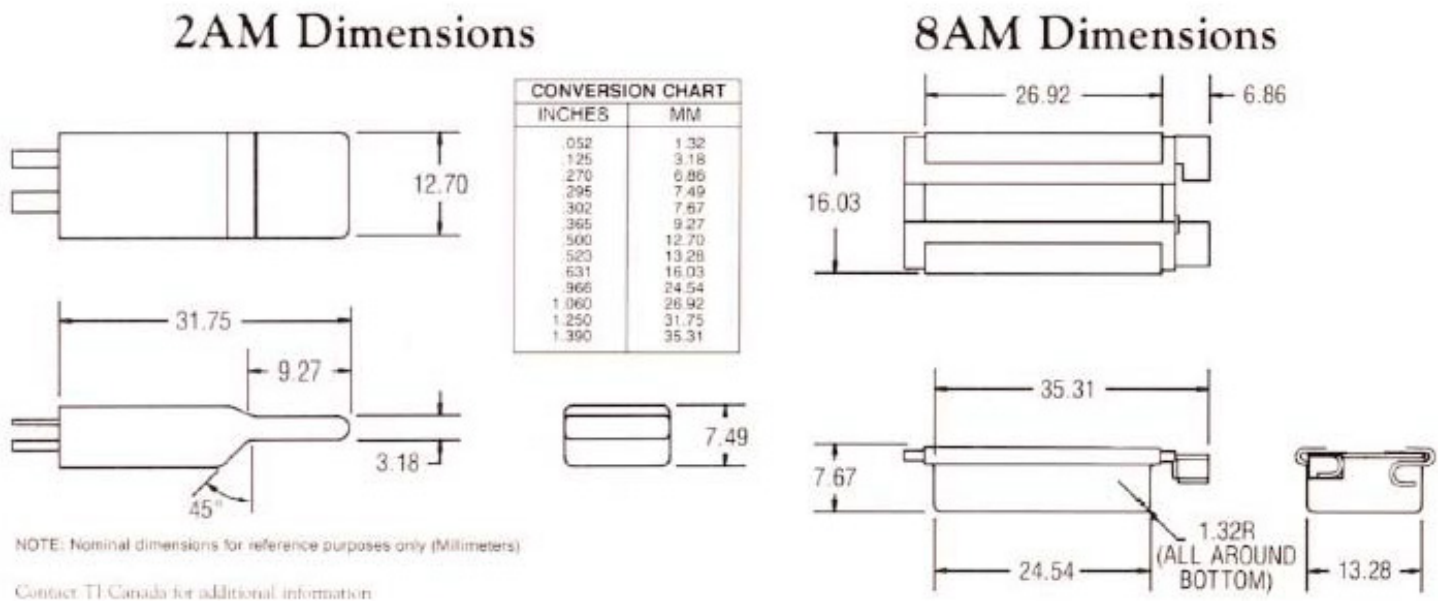
- Compact, Easy to Install
- Individually temperature calibrated and checked
- Positive make-and-break with Klixon® snapaction disc
- Gasketed steel case suitable for many impregnation processes
- Current and temperature sensitivity for maximum design flexibility
- Specially designed terminals for easy addition of wireleads.

Typical Applications

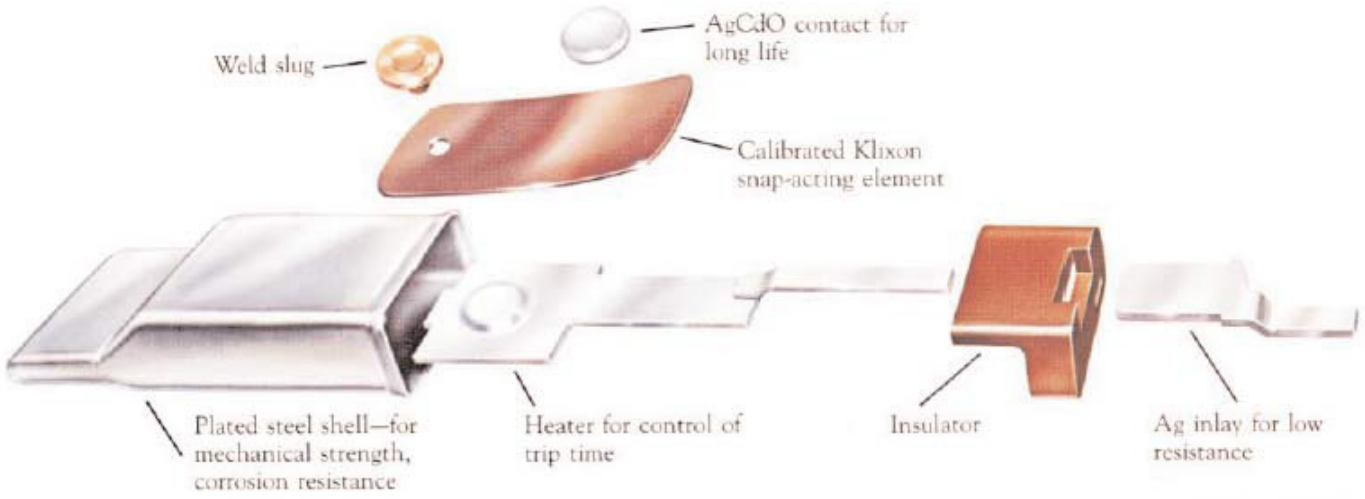
- Split-Phase Motors
- Ballast Protection
- Transformers
- Automotive Motors
- Solenoids

DIMENSIONS AND DIAGRAMS

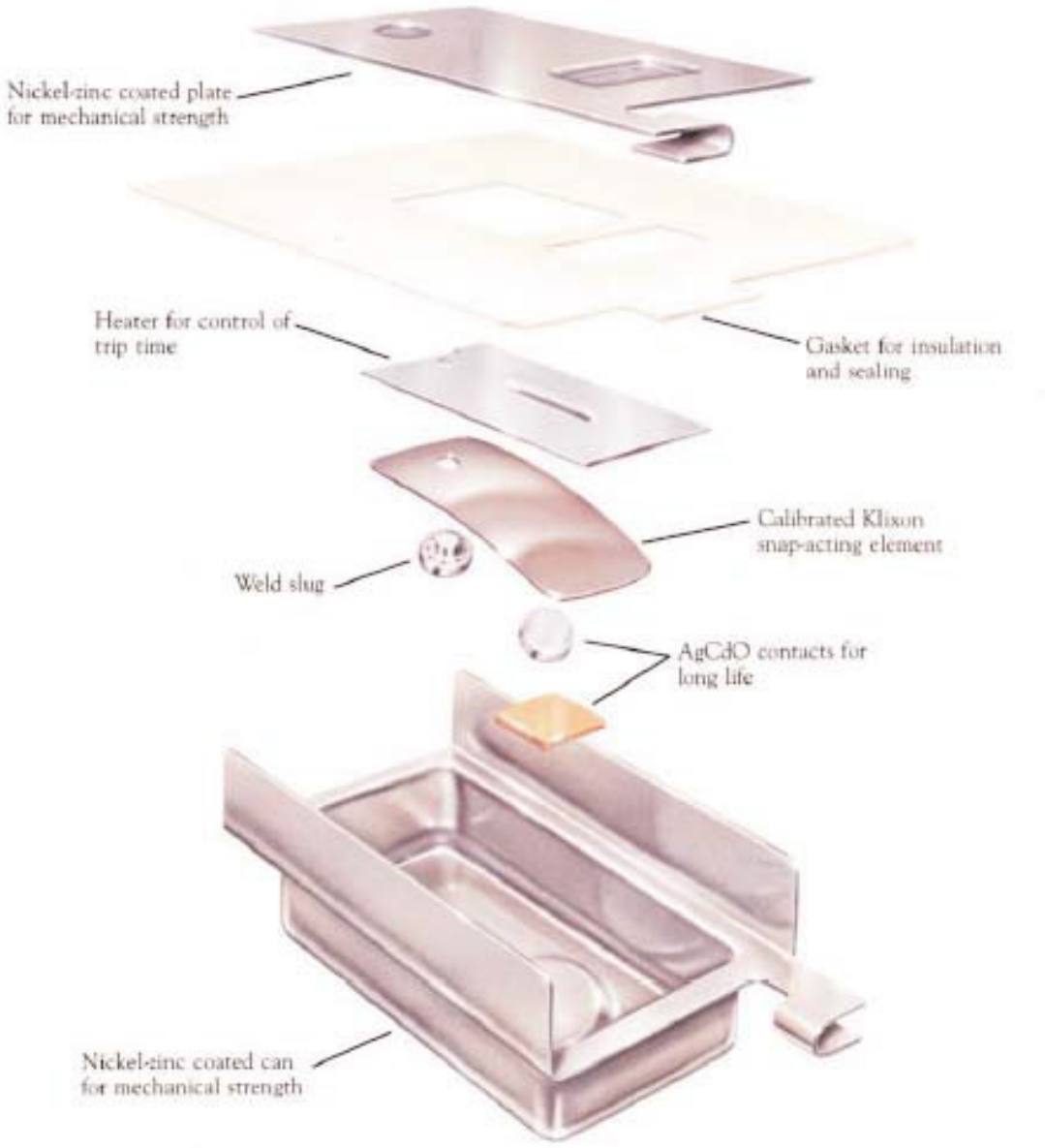
Dimensions in mm (Inches)



2AM Series



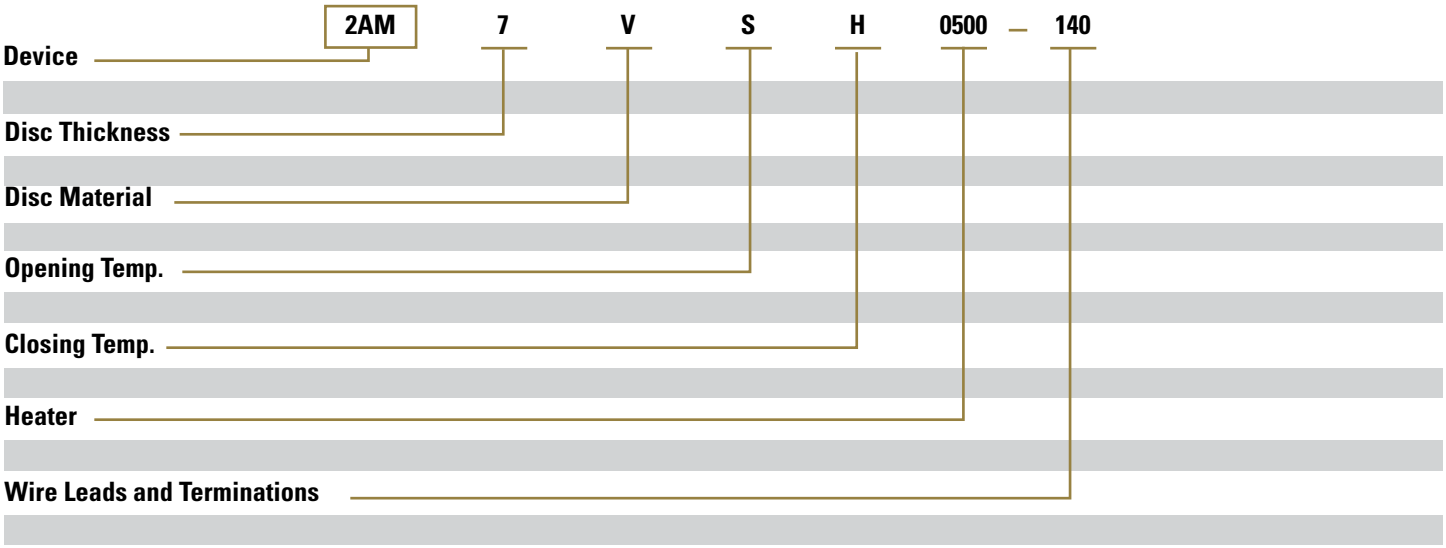
8AM Series Breakdown



ORDERING OPTIONS

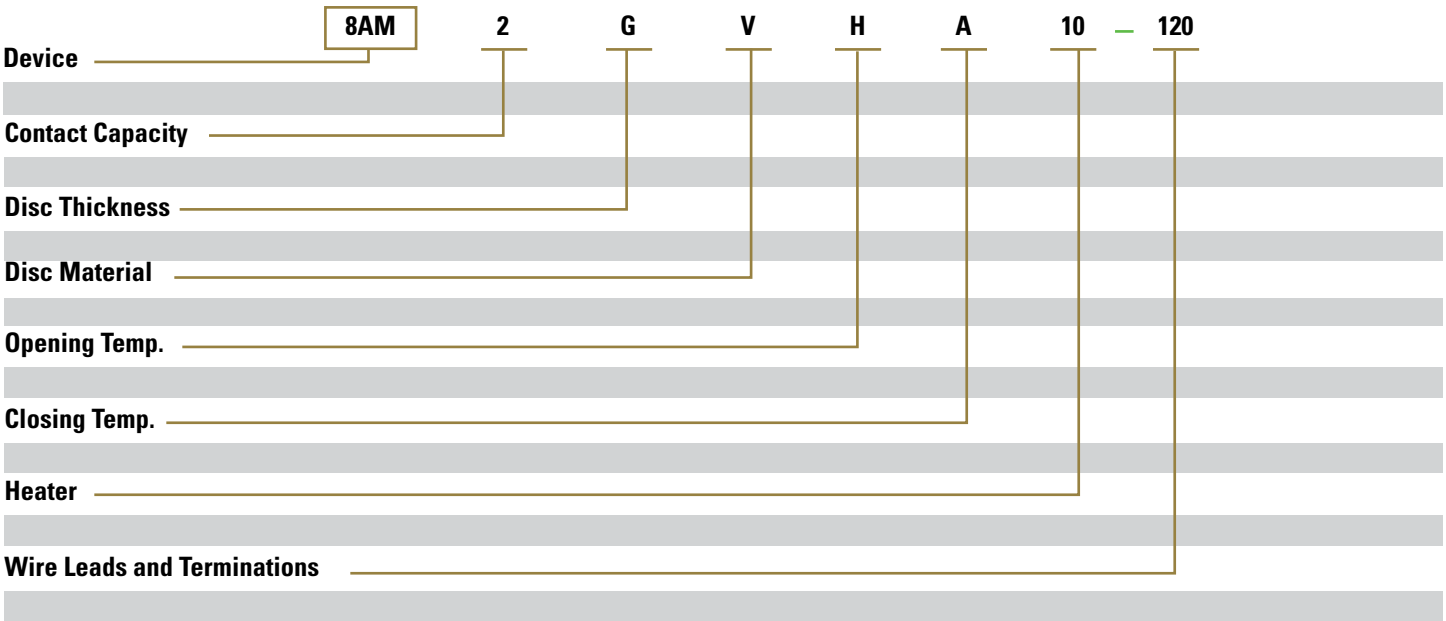
Example : 2AM7BSH0500-140

2/3/4AM Series



Example : 8AM2GVHA10-120

8AM Series



VOLTAGE RATINGS, AGENCY APPROVALS, & CERTIFICATIONS

	120V	240V	UL	CSA	ENEC	CQC
2AM **3AM** **4AM**	50 60 50	37 45 37	**File** E15962 **Standard** UL2111	**Standard** CSA C22.2 No. 77	**File** 2014531.19 **Standard** EN60730-1, EN60730-2-3, EN60730-2-22	**2AM File** CQC11002058216 **3AM File** CQC11002058215 **4AM File** CQC11002058217 **Standard** GB14536.1, GB14536.3
8AM1 **8AM2** **8AM4**	50 35 60		**File** E15962 **Standard** UL2111	**Standard** CSA C22.2 No. 77	**File** 2014531.08 **Standard** EN60730-1, EN60730-2-22	**File** CQC11002058218 **Standard** GB14536.1, GB14536.3

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