

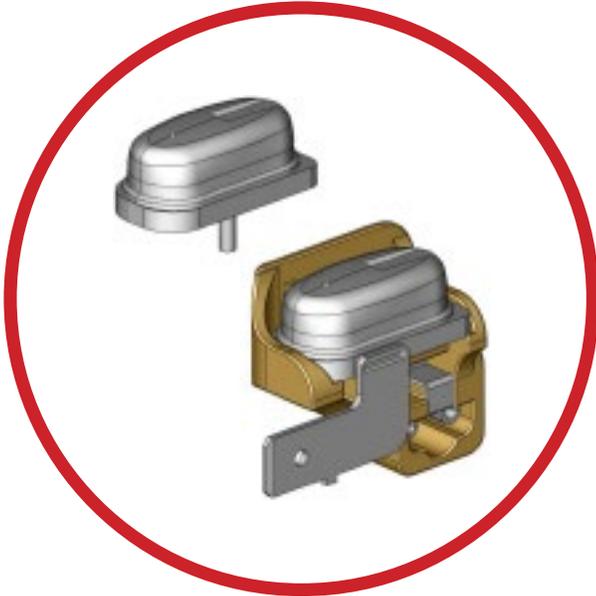
# | 18HM

## SINGLE PHASE HERMETIC MOTOR PROTECTOR

### Introduction

The 18HM Hermetic AC Motor Protector delivers the benefit of locked rotor and overload protection in a robust hermetic package.

Sensata Technologies has been the leading global supplier of motor protection for over 50 years.



### Features

- Incorporates the world leading Klixon® snap action bimetal
- Line break / Automatic reset
- Low profile permits the device to be installed directly on the compressor's power terminal pins within a cluster block housing for closely coupled temperature monitoring
- Enhanced over-temperature protection against running overload high / low voltage locked rotor loss of refrigeration charge shorted capacitor high discharge temperature
- Rugged welded construction

### Benefits

- Reduced installation costs
- Optimal termination

### Applications

- Air Conditioning Compressors

## TECHNICAL SPECIFICATIONS

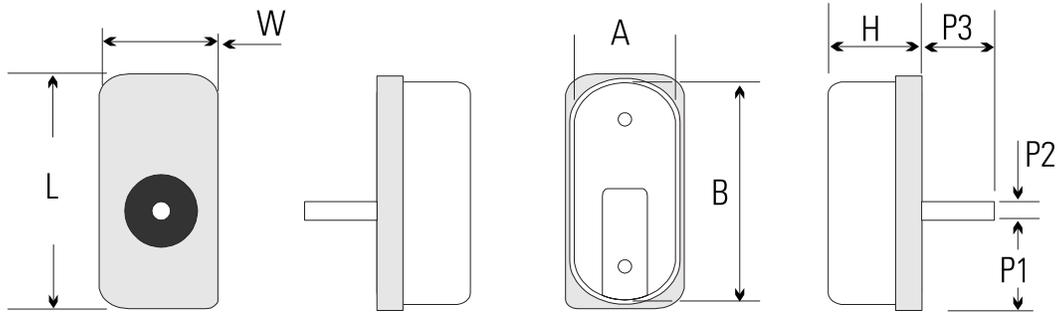
<b>Compressor Range</b>	Up to 2HP
<b>Rated Voltage</b>	230 Volts
<b>Rated Current</b>	60 Amps
<b>Opening Temperature</b>	100°C to 180°C (5°C Increments)
<b>Closing Temperature</b>	To suit application ± 9°C
<b>Pressure Rating</b>	2100 PSIG 145 bar

Current ratings are based on life test data which has demonstrated high reliability at 0.7 power factor on Sensata test boards. These capacities are intended as a guide for application work



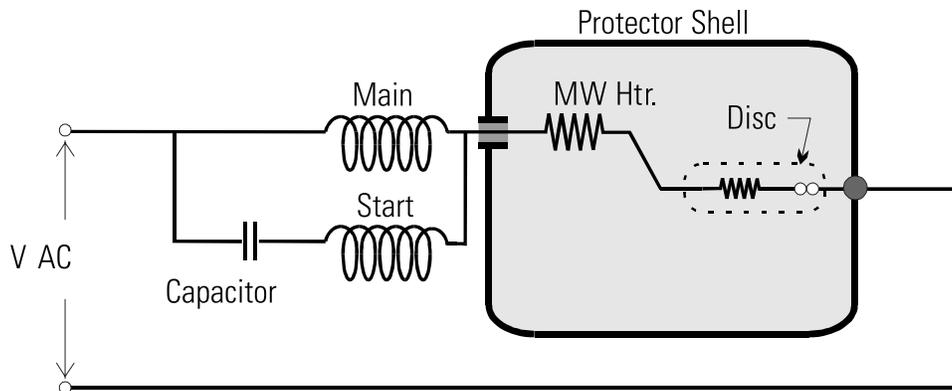
## DIMENSIONS AND SCHEMATICS

All dimensions in millimeters (inches).



Unit	L	W	H	P1	P2	P3	A	B
mm	20.5	10.5	8.5	7.0	1.7	6.5	9.0	19.0
Ins	0.807	0.413	0.335	0.276	0.067	0.256	0.354	0.748

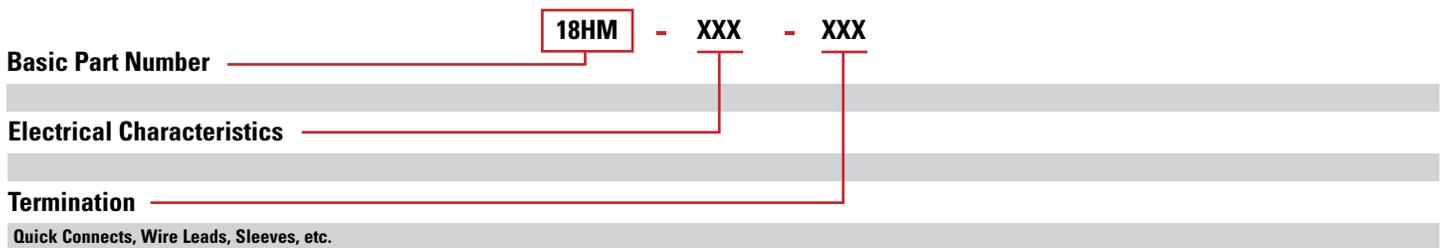
## Electrical Schematic



## ORDERING OPTIONS

Example : 18HM-XXX-XXX

When making an inquiry for Klixon® hermetically sealed motor protectors, be certain to specify the entire part number for your application, if known. The six digits following the series identification indicate your specific electrical and physical requirement.



## AGENCY APPROVALS & CERTIFICATIONS



Agency	File Number
UL / C-UL	E15962
CQC	CQC07002018881
KEMA (ENEC)	2018218.05

**Compliant with RoHS**  
(European Directive 2002/95/EC Restrictions On Use Of Hazardous Substances)

## WARNINGS



### RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

**Failure to follow these instructions can result in serious injury, or equipment damage.**



### HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

**Failure to follow these instructions will result in death or serious injury**

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