



15HM SERIES | MOTOR PROTECTORS

Hermetically Sealed Single Phase On Winding Protection

Product Description

The 15HM family of motor protectors can be applied to unitary air conditioning and heat pump compressors ranging from 1 to 5 HP. They may also be used in commercial motors which must function in destructive or corrosive environments. Its compact and rugged design make it resistant to mechanical shock and suitable for installation directly on motor windings.



Features and Benefits

- High Reliability – 2 contact ratings
- Optional start winding protection
- Compact and rugged construction
- Meet rotary compressor high side pressure requirements
- Application range – 1 to 5 HP

Line Break Operation

Klixon® 15HM motor protectors are line break automatic reset controls which are wired in series with and mounted on the motor windings. These protectors track winding temperatures and respond to changes in line current to afford protection against the wide variety of overload conditions listed below:

- Running overload
- Loss of refrigerant charge
- High discharge temperature
- High/low voltage locked rotor
- Shorted capacitor



SPECIFICATIONS

Open Temperature	90°C - 150°C
Tolerance	±5°C Open, ±9°C Close

Protector Ratings

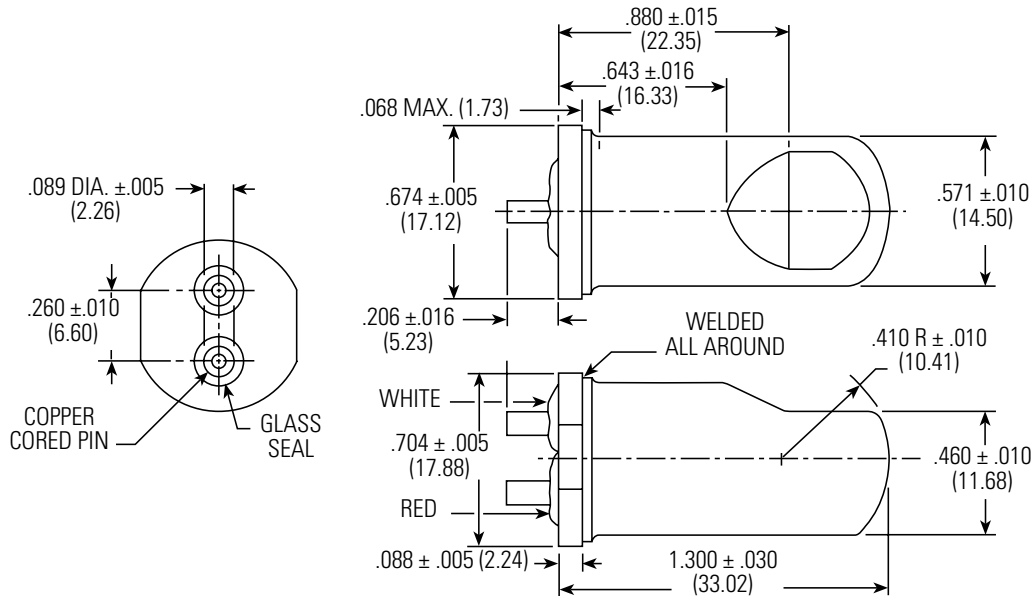
Series		Start Winding	Line Voltage	Locked Rotor Current	HP Range
300	13XX	Yes	230V	*100 Amp	*1 - 3 1/2
	23XX	No			
600	16XX	Yes	230V	*140 Amp	*3 1/2 - 5
	26XX	No			

* To be used as a guide for selection only, consult factory for specific life test data

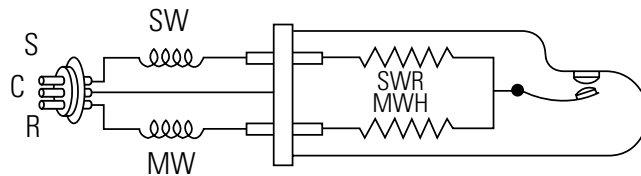


DIMENSIONS

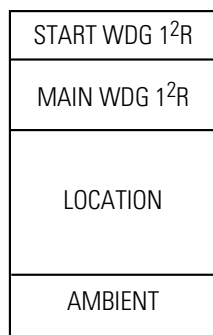
Metric Dimensions in Parenthesis



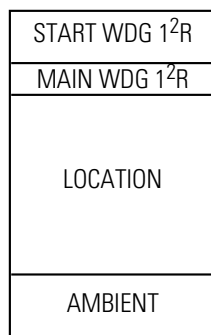
Circuit Diagram



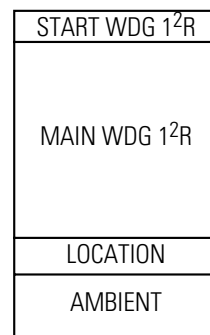
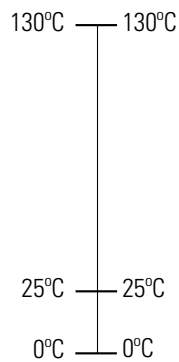
15HM Heat Input Relationships



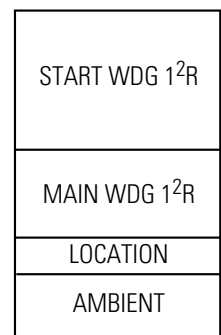
RUNNING OVERLOAD
(ULTIMATE TRIP)



LIGHT LOAD



LOCKED ROTOR

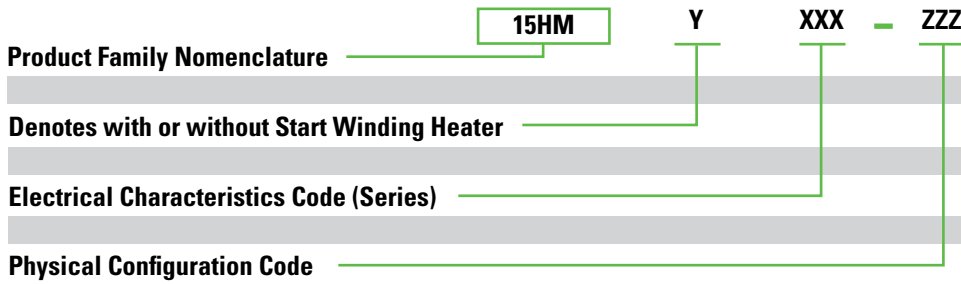


CONTINUOUS
START CIRCUITING



ORDERING OPTIONS

Example : 15HM Y XXX-ZZZ



AGENCY APPROVALS & CERTIFICATIONS



Agency	File Number
UL / C-UL	E15962
DEKRA (ENEC)	2018218.05
CQC	CQC03002007249

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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

CONTACT US

Americas

+1 (508) 236-2551
 electrical-protection-sales@sensata.com

Europe, Middle East & Africa

+1 (760) 597 7042
 support@sensata.com

Asia Pacific

EP_Asia_Public@list.sensata.com
 China +86 (21)2306 1651
 Japan +81 (45)277 7104
 Korea +82 (53) 644 9685
 India +91 (40)4033 9611
 Rest of Asia +603-5566 6001