

The World Depends on Sensors and Controls

Product Overview

The Sensata Technologies 6SP series Refrigeration Package is a compact motor starter & motor protector package. The 6SP is suitable for compressors used in refrigerators freezers, water coolers, dehumidifires, vending machines and similar refrigeration applications.

The 6SP serves as combination control which :

KLIXON

6SP Series Refrigeration Package

- 1. Uses industry leading 4(5)TM motor protector
- 2. Performs ceramic PTC (positive temperature coefficient) solid-state starter function
- 3. Available for RSIS, RSCR, CSIR and CSCR applications
- 4. Available with 1/4" (QC#250), 3/16" (QC#187) and screw terminations
- 5. I.B.P.S. function in the starter function (6SP1/3/5/7 series)
- 6. RoHS compliance

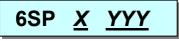
Convenience

- Fits most existing compressor terminal fences
- Elimination of 4(5)TM reapplication in most cases
- Plugs directly & easily onto the compressor terminal pins
- Provides ground, "N" and "L" terminals
- Provides significant installed cost savings opportunities
- Provides low dissipates under normal operating conditions by using stainless steel springs

Agency Certified

ENEC :	File 2014531.01
CQC :	File CQC02002001335
UL/c-UL :	

6SP Coding System



6SP : Device identification

X : Physical configurations.

	Physical	Physical Features			
"X" Drawing		Ground Terminal	Relay Terminal	IBPS	
1 / 5	See P.2	×	×	0	
3 / 7	See P.2	×	0	0	
9	See P.3	0	×	×	
0	See P.4	0	×	×	

YYY:

The order of generating (from 001 to 999) The followings are contained in this Y Y Y.

- 4(5)TM Type
- PTC Type

- Compressor Starting Method RSCR, RSIR, CSCR, CSIR
- Housing Material PPS, Vyloglass, PBT or Phenol
- Combination of Terminals QC#187, #250, Screw etc.

R25 (ohms)	Dia. (mm)	Thick. (mm)	Vamx(V) Imax(A)	Application Voltage(V)
33±20%	16	2.5	355 / 6	240
22±20%	16	2.5	300 / 7	240
15±20%	20	2.5	400 / 4	240
12+4/-3 Ω	20	3.1	350 / 8	240
15±20%	16	2.5	350 / 8	240

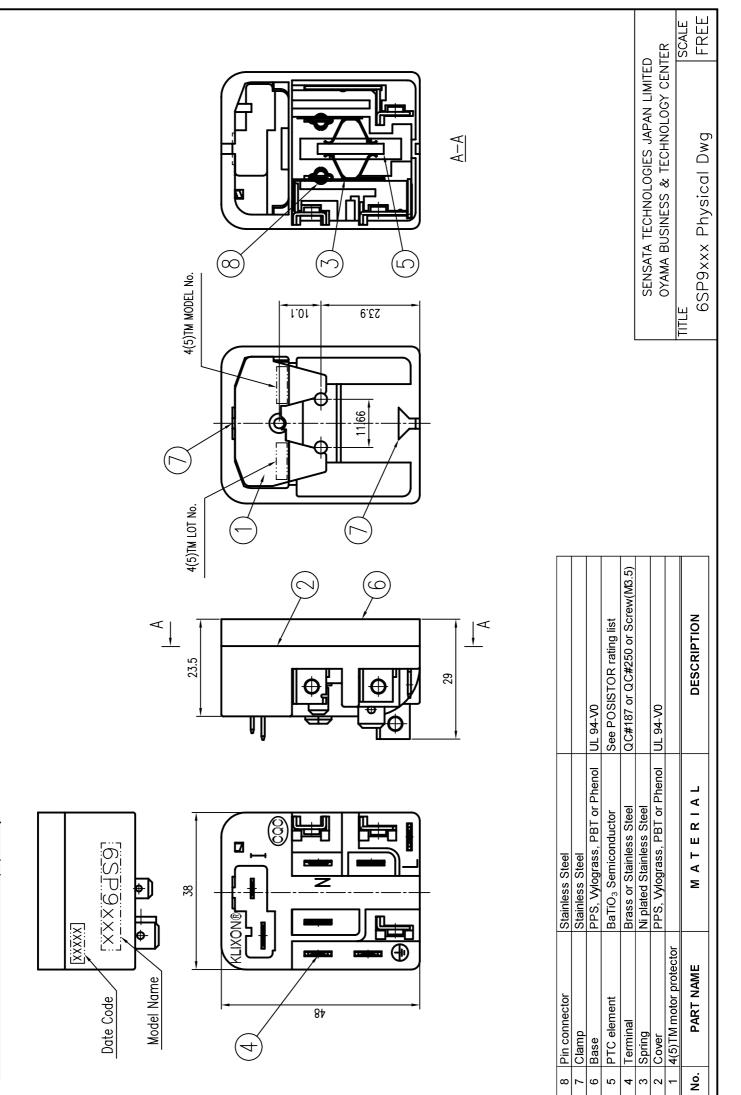
Cautions

Keep 6SP away from the following atmosphere to avid deterioration of the characteristics of this product or failures in the worst case.

- Corrosive or deoxidizing gases atmosphere (Ex. Cl₂,H₂S, NH₃, SOx, NOx, etc.)
- Volatile or flammable gas atmosphere
- Dusty place
- Under abnormal atmosphere pressure
- To be exposed to water or to be condensed dew by excessive humidity
- To be expose salt water, oil, chemicals and organic solvent
- Under the excessive vibration
- Other atmosphere same as above
- Avoid to use PVC(Polyvinyl Chloride) as an insulation material around the terminals connecting.

6SP is designed to be used in conjunction with an electrical cover.

FREE SCALE OYAMA BUSINESS & TECHNOLOGY CENTER SENSATA TECHNOLOGIES JAPAN LIMITED 6SP1,3,5,7xxx Physical Dwg **Relay Terminal** A-A Applicable N/A 6 (m ဖြ 6SP1xxx 6SP5xxx 6SP3xxx 6SP7xxx σ 4(5)TM MODEL No. Part No. 1.01 6.81 TITLE 1,56 4(5)TM LOT No. (∞) QC#187 or QC#250 or Screw(M3.5) < | < | DESCRIPTION See POSISTOR rating list QC#187 or QC#250 23.5 30.1 Ð φ UL 94-V0 UL 94-V0 UU ¢ PPS, Vylograss, PBT or Phenol Stainless Steel PPS, Vylograss, PBT or Phenol *L*† C.14 MATERIAL Brass or Stainless Steel Ni plated Stainless Steel BaTiO₃ Semiconductor Nominal dimensions are shown for reference purpose only. 0 Stainless Steel 34.3 Brass ¢ LIXON® X · <u> XXXX</u> 4(5)TM motor protector PART NAME Model Name Date Code Relay terminal Pin connector PTC element ഹ 4 Terminal Clamp Spring Cover Base No. თ ω ശ ഹ 4 ო 2



Nominal dimensions are shown for reference purpose only.

