



- **Speed Sensitive**
SINPAC Switches duplicate mechanical switch performance. They cut out the start circuit at approximately 80% of synchronous speed*. This means no degradation in motor performance and no confusing and cumbersome time or current selection criteria to consider, since SINPAC Switches are not load sensitive. It also means there will be less stress on the starting capacitor due to over voltage.
- **Restart Capability**
When motor speed drops below 50% of synchronous speed, the start circuit is reconnected to reinitiate starting torque.
- **Accepted by Motor Manufacturers**
Stearns SINPAC Switches have been tested with favorable results and are available from most single-phase motor manufacturers.
- **Transient Protection**
Transient protection tested per IEEE C62.41 – 1991 Category A3.
- **Line Voltage Compensation**
No modifications or changes are required for line voltage variations. SINPAC Switches will operate in areas susceptible to *brown-outs* or low voltage due to long wiring runs.
- **Electrically Protected Design**
SINPAC Switches are designed to filter out electrical noise, so there is no concern of random switch malfunctions.
- **UL Recognition and CSA Certification**
Testing has been completed and approval has been obtained on most sizes and will be obtained on the balance of the product line. SINPAC Switches can be used with confidence in their safety and acceptance.
- **Completely Solid-State**
With no moving parts, SINPAC Switches have no physical constraints to affect their operation. Can be used on new or existing motors.
No wearing parts means high cycling. No shaft extension required. Not restricted by motor vibration or overspeed. No arcing contacts due to restart during motor coastdown.
- **Universal Design**
SINPAC Switches will work on 2, 4, 6 or more pole motors of any manufacturer. This reduces motor manufacture and repair shop selection time and switch inventory. It also means that foreign and obsolete motors can be easily retrofitted with SINPAC Switches.
- **Environmentally Protected**
SINPAC Switches are immune to moisture, dust, shock, vibration or overspeed. The switch will not limit motor performance due to environmental conditions.
- **Stearns Reliability**
Years of experience in the motor industry, first with brakes and now with speed sensing switches, means you can depend on Stearns SINPAC Switches to solve switching problems.
- **Unlimited Mounting Locations**
SINPAC Switches offer a variety of external and internal conduit box mountings and external endbell mountings. These mountings are not affected by the motor position (shaft up or shaft down). SINPAC Switches can also be mounted at locations remote from the motor.
- **Reduced Installation Time**
Easy accessible terminals and mounting, reduce the amount of time required to install SINPAC Switches.
- **Integral Design**
SINPAC Switches can reduce the length of the motor when designed as an integral part of the motor.

*Contact factory for questions on specific switch/motor performance.