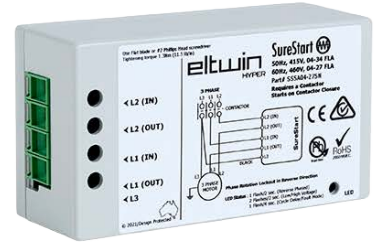


SureStart

Soft starters for three phase applications



Benefits

- Most trusted solution for compressors on limited off-grid power.
- Reliable start performance on solar inverter and generator backup.
- Integrated reverse phase protection.
- Extends contactor life through unique arc prevention technique.
- Reduced mechanical shock to compressor at startup.
- Hassle-free installation backed with easy fault diagnostics .
- Engineering support services before and after installation.
- Compatible with major utility regulations.

Features

- Efficient start current reduction upto 30-50%.
- Compatible with modern two stage and digital scroll technologies.
- Self-optimizes for a wide range of compressor sizing.
- Motor stall prevention during both start and run operations.
- Under-voltage and over-current protection.
- Internal delay timer to prevent rapid compressor cycling.
- Reverse motor detection.
- Line Impedance monitoring and compensation.

Type	SS2A04-28	SS3A04-27	SS4A04-34	SS5A04-27
Nominal Voltage rating	208- 230VAC	380VAC	415VAC	460VAC
Single/Three phase	Three Phase	Three Phase	Three Phase	Three Phase
Main Frequency (Tolerance +/-3 Hz)	50Hz/60Hz	50Hz/60Hz	50Hz	60Hz
Motor Current, max RLA/FLA range	04A -28A	04A - 27A	04A - 34A	04A - 27A
Contactora	Secondary	Secondary	Secondary	Secondary
LRA max	150A	150A	150A	150A
Start Current reduction	30%- 50%of LRA	30%- 50%of LRA	30%- 50%of LRA	30%- 50%of LRA
Startup torque reduction	50-70%	50-70%	50-70%	50-70%
Degree of protection	IP20	IP20	IP20	IP20
Operating Temperature (°C / °F)	-20° to 60°C / -4° to 140°F	-20° to 60°C / -4° to 140°F	-20° to 60°C / -4° to 140°F	-20° to 60°C / -4° to 140°F
Storage Temperature (°C / °F)	-40° to 85°C / -40° to 185°F	-40° to 85°C / -40° to 185°F	-40° to 85°C / -40° to 185°F	-40° to 85°C / -40° to 185°F
Number of starts per hour	20 starts / hr	20 starts / hr	20 starts / hr	20 starts / hr
Minimum startup voltage	187V	342V	373V	414V
Maximum high voltage	253V	422V	460V	510V
Shutdown on low voltage	176V	323V	353V	391V
Short Circuit Current Rating SCCR, kA	5	5	5	5
Power Supply & Control voltage	Auto-Start at Power Up	Auto-Start at Power Up	Auto-Start at Power Up	Auto-Start at Power Up
Dimensions	5.30" x 1.96" x 2.94" (135 x 50 x 75mm)	5.30" x 1.96" x 2.94" (135 x 50 x 75mm)	5.30" x 1.96" x 2.94" (135 x 50 x 75mm)	5.30" x 1.96" x 2.94" (135 x 50 x 75mm)
Weight g / lb	500g / 1.1 lb	500g / 1.1 lb	500g / 1.1 lb	500g / 1.1 lb

General data

- Secondary operates in series with contactor
- Life expectancy at maximum rated load minimum 100,000 operations
- ETL approved
- CE approved
- RoHS compliant

