



SSC-25 25A, 110v / 230v

A soft starter either runs an open or closed loop. An open loop design does not provide any current feedback loop. The open loop controls the starting phase with a pre-selected voltage profile without protecting the motor. A soft starter helps to limit transient voltages, while also protecting against sudden surges of power that accompany both normal operation, and power outages.

This mains-operated soft-start power module gives an adjustable ramp up time of between 1 and 60 seconds. The unit also incorporates a 10 – 50% pedestal, which allows a variable set point of the start-up voltage required on certain applications. These units are capable of soft starting loads up to 25A (when mounted on a suitable heatsink).

Applications

- Heat Lamps
- Fans
- Pumps and
- Other AC Motor Loads

Features

- Compact and easy to use.
- Adjustable ramp speed
- Adjustable pedestal.
- Simple wiring.
- High inrush capability

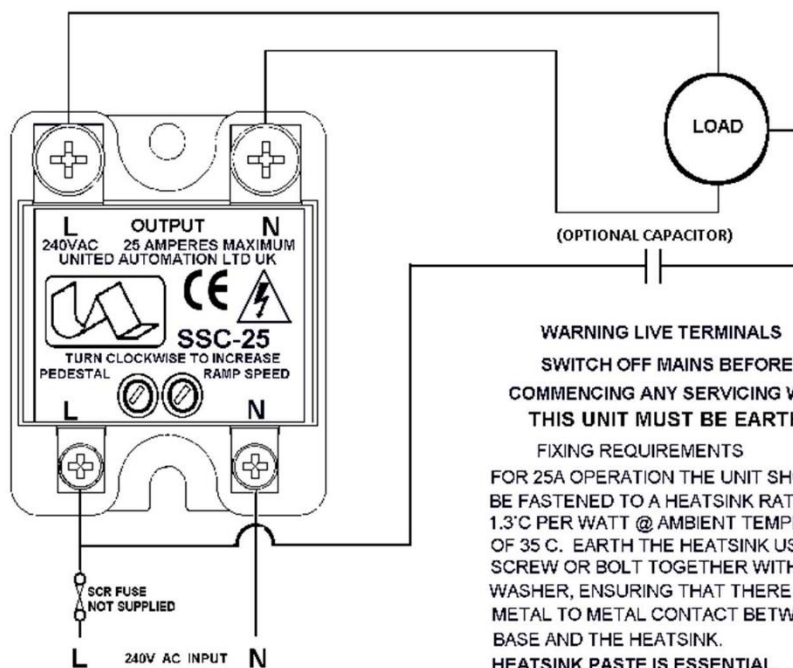
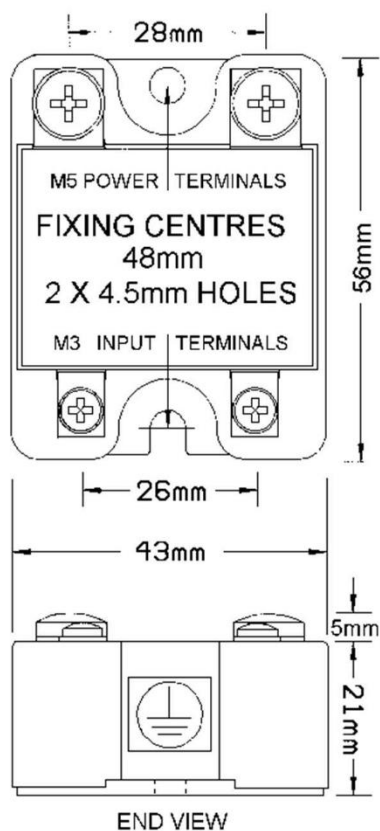


Technical Specifications

AC system line voltage	110/230V \pm 10%
Line frequency	50/60Hz
Unit limiting RMS current	25A
I ² t for fusing	250 A ² s
Triac limiting RMS current	26A
Isolation voltage	5kV rms
Minimum operating current	200mA
Ramp speed	1 to 60 seconds
Unit current consumption	20mA dc max
Pedestal	10 to 50%
Operating temperature	20mA dc max.
Storage temperature	0 to 65°C

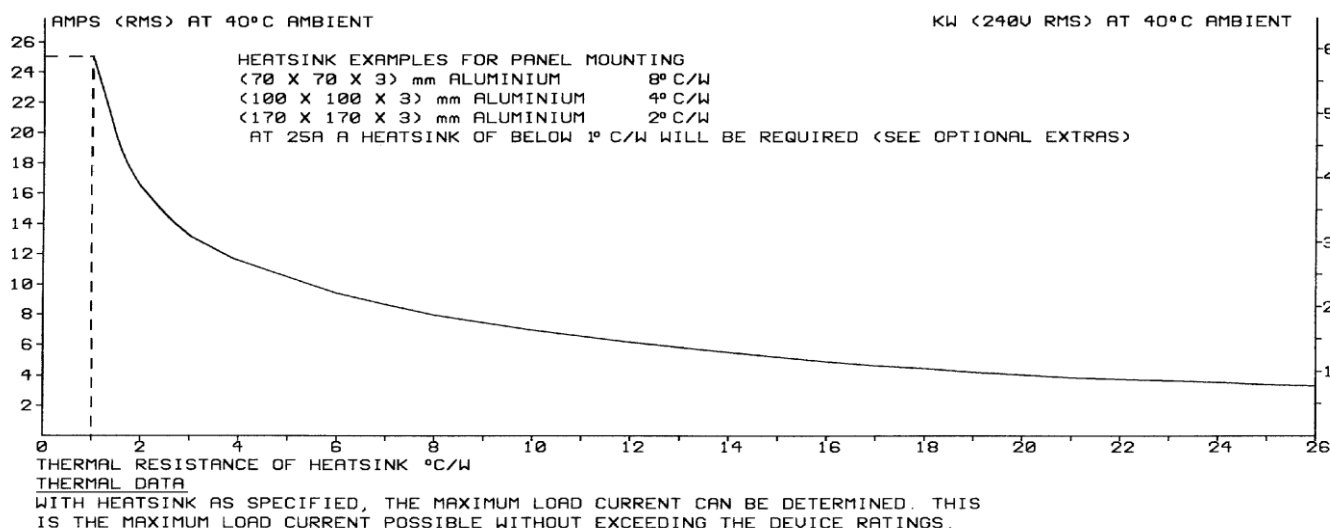


Installations



WARNING LIVE TERMINALS
SWITCH OFF MAINS BEFORE
COMMENCING ANY SERVICING WORK.
THIS UNIT MUST BE EARTHED

FIXING REQUIREMENTS
 FOR 25A OPERATION THE UNIT SHOULD
 BE FASTENED TO A HEATSINK RATED AT
 1.3°C PER WATT @ AMBIENT TEMPERATURE
 OF 35 C. EARTH THE HEATSINK USING A 4mm
 SCREW OR BOLT TOGETHER WITH A STAR
 WASHER, ENSURING THAT THERE IS A GOOD
 METAL TO METAL CONTACT BETWEEN THE
 BASE AND THE HEATSINK.
HEATSINK PASTE IS ESSENTIAL.
(SEE COOLING REQUIREMENTS PAGE 2)





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FUSING

It is recommended to use semiconductor (fast acting) type fuses or circuit breakers (Semiconductor - MCB) for unit protection. On initial switch on some loads may need an increased Factor of Safety (F of S) for unit and/or device protection. See SRA datasheet for information.

Recommendations

Other documents available on request, which may be appropriate for your application: -

Code	Identity	Description
X10229	RFI	Filter recommendations: Addressing the EMC Directive
X10213	ITA	Interaction: Uses for phase angle and for burst fire control
X10255	SRA	Safety Requirements: Addressing the Low Voltage Directive (LVD) including, Thermal Data/Cooling, Live Parts Warning, Earthing Requirements and Fusing Recommendations

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding the safety of electrical equipment. For International standards refer STANDARDS on D of C.

OPTIONAL EXTRAS

Product Code	Product Description
A15216	KA100 Black Plate Mounted Heatsink
A15217	KA100 DIN Rail Mounted Heatsink
Z01062	Heatsink Compound Syringe (Must be applied while fitting)
A80030	SSR Cover Kit

PRODUCT CODE AND RELATED PRODUCT CODE

Product Code	Product Description
A403036	SSC – 25 Soft Start Controller