

1 Introduction

This heatsink is suitable for a number of devices across a variety of ranges such as the SSC range (soft start modules), DCM range (DC motor control) and PSR range (AC phase angle power control). The KA-100 accommodates many more ranges including, but not limited to, the following:

- SSC (Soft Start Controller)
- DCM (DC Motor Controller)
- PSR (AC Phase Angle Power Controller)
- PAC (Power Controller)
- PCE (Pulsed Coil Energiser)
- TPSR (Phase Angle AC Regulator)

The KA-100 is suitable for devices for loads up to 25A and is the recommended heatsink for a lot of our product ranges and comes with TM-500 thermal paste for better thermal coupling.

2 Applications

The unit is suitable for any device up to the rated values listed below. The KA-100 is highly recommended for the above devices and it is to these that the unit is best suited.

3 Features

- Easy to mount ventilated back plate
- TM-500 thermal paste for better thermal coupling
- Lightweight aluminum design
- Suitable for a variety of product ranges
- Ideal heat dissipation for devices up to 25A



**SSC-25 is only pictured as example and is sold separately.*

4 Installation

Installation of the device is very easy. Apply the provided heatsink compound evenly to the back of the device and then screw it to the heatsink. The heatsink can then be wall mounted using the four holes on the back plate for a secure fitting.

5 Technical Specifications

<i>KA-100 Heatsink:</i>	
Fin Material	Aluminium
Number of fins	45
Fin thickness	3mm-4mm
Height	Heatsink = 40mm + 8mm for base plate
Width	96mm
Length	Heatsink = 100mm + 30mm for base plate
Fixture plate thickness	10mm

<i>Heat dissipation characteristics:</i>	
Natural convection	1.347°C/W
Forced air 1m/s	0.709°C/W
Forced air 2m/s	0.498°C/W
Forced air 5m/s	0.314°C/W

*Disclaimer – All dimensions are to within a tolerance of +/-1mm

<i>TM-500 Thermal Paste</i>	
Colour	Grey
Thermal conductivity	>1.93W/m-K
Thermal impedance	< 0.225°C-in²/W
Operating temperature	-30°C → 280°C
Max/Min spike temp	-50°C → 300°C

6 CE Marking

This product family carries a “CE marking”. These phase angle type controllers require a suitable remote filter. For information see recommendation section and contact our sales desk. (See the Declaration of Conformity).

7 Recommendations

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

Code	Identity	Description
P01.1	COS	UAL Conditions of Sale

NOTE It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.E. wiring regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding safety of electrical equipment. For International Standards refer to I.E.C/ directive IEC 950.

8 Order Code

State Part Number	A15216
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