

X15217

Components and Spares | Heatsink



# KA-100 Din Rail Mount Heatsink

Up to 25A

Included Thermal Paste



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## KEY FEATURES:

- ✓ **Easy-to-Mount Ventilated Back Plate:** Simplifies installation and enhances airflow for effective cooling.
- ✓ **TM-500 Thermal Paste:** Provides excellent thermal conductivity, ensuring efficient heat transfer.
- ✓ **Lightweight Aluminium Design:** Offers robust performance while being easy to handle and install.
- ✓ **Optimal Heat Dissipation:** Designed to maintain ideal operating temperatures for devices up to 25A.

## APPLICATIONS:

The KA-100 is ideal for use with:

- **SSC:** Enhances the performance and lifespan of soft start modules.
- **DCM:** Ensures efficient cooling for DC motor control applications.
- **PSR:** Provides reliable thermal management for phase angle power controllers.
- **PAC:** Suitable for power control devices, ensuring stable operation.
- **PCE (Pulsed Coil Energizers):** Ideal for devices requiring pulsed coil energizing.
- **TPSR:** Maintains optimal temperature for phase angle AC regulators.

Introducing the KA-100 Din Rail Mount Heatsink, a versatile and efficient solution for thermal management in various electronic devices.

Designed to accommodate a wide range of devices including SSC (Soft Start Controller), DCM (DC Motor Controller), PSR (AC Phase Angle Power Controller), PAC (Power Controller), PCE (Pulsed Coil Energiser) and TPSR (Phase Angle AC Regulator).

The KA-100 ensures optimal performance and longevity of your equipment. This heatsink is engineered to handle loads up to 25A and comes with TM-500 thermal paste for superior thermal coupling.

The KA-100 Din Rail Mount Heatsink is the recommended thermal management solution for a variety of our product ranges, ensuring your devices operate efficiently and reliably. Enhance the performance and durability of your electronic equipment with the KA-100, your go-to heatsink for superior thermal dissipation.

## TECHNICAL SPECIFICATIONS

KA-100 Heatsink	
Fin Material	Aluminium
Number of fins	45
Fin thickness	3mm-4mm
Height	Heatsink = 40mm + 15mm for DIN rail mount
Width	96mm
Length	Heatsink = 100mm + 12mm for DIN rail mount
Fixture plate thickness	10mm
Heat dissipation characteristics	
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	

TM-500 Thermal Paste	
Colour	Grey
Thermal conductivity	>1.93W/m-K
Thermal impedance	< 0.225°C-in <sup>2</sup> /W
Operating temperature	-30°C → 280°C
Max/Min spike temp	-50°C → 300°C



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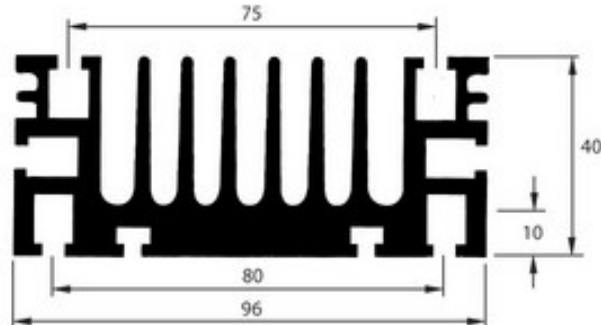


# KA-100 Din Rail Mount Heatsink

Up to 25A

KA-100 Din Rail Mount Heatsink with Thermal Paste

## DIMENSIONS



## EASY INSTALLATION

Installing the KA-100 is straightforward. Apply the provided heatsink compound evenly to the back of the device, then secure it to the heatsink with screws. The heatsink can be wall-mounted using the four holes on the back plate, ensuring a secure and stable fit.

## CE MARKING

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

## RECOMMENDATIONS

## DOCUMENTS

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

Code	Identity	Description
P01.1	COS	UAL Conditions of Sale

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.

## PRODUCT CODE AND RELATED PRODUCT CODE

Product Code	Product Description
A15217	KA-100 Din Rail Mount Heatsink with Thermal Paste