

X15216

Components and Spares | Heatsink



KA100 Back Plate mounted heatsink

Up to 25A

Included Thermal Paste

CONTACT US:

☎ 0044 (0) 1704-516 501

✉ enquiries@united-automation.com🌐 www.united-automation.com

KEY FEATURES:

- ✓ **Easy to Mount:** Ventilated back plate for straightforward installation.
- ✓ **Enhanced Thermal Coupling:** Supplied with TM-500 thermal paste for improved heat transfer.
- ✓ **Lightweight Design:** Made from durable aluminium for effective heat dissipation without added weight.
- ✓ **Versatile Compatibility:** Suitable for a wide range of product ranges, including SSC, DCM, PSR, PAC, PCE, and TPSR.
- ✓ **High Load Capacity:** Ideal for devices up to 25A, ensuring reliable performance even under substantial loads.

The KA-100 heatsink is designed for optimal thermal management across a variety of device ranges, including SSC (Soft Start Modules), DCM (DC Motor Control), and PSR (AC Phase Angle Power Control). This versatile and robust heatsink ensures efficient heat dissipation, making it ideal for loads up to 25A. The KA-100 accommodates many more ranges such as PAC (Power Controller), PCE (Pulsed Coil Energiser), and TPSR (Phase Angle AC Regulator), providing reliable performance across different applications. The unit comes with TM-500 thermal paste for enhanced thermal coupling.

Ensure your devices stay cool and efficient with the KA-100 heatsink, a versatile solution designed for a wide range of applications and product ranges.

TECHNICAL SPECIFICATIONS

KA-100 Heatsink

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
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 ² /W
Operating temperature	-30°C → 280°C
Max/Min spike temp	-50°C → 300°C

APPLICATIONS:

The KA-100 heatsink is perfect for a variety of applications, especially where efficient thermal management is critical.

It is highly recommended for use with the following devices including SSC, DCM, PSR, PAC, PCE, and TPSR.

YOU MUST READ THIS BEFORE INSTALLATION

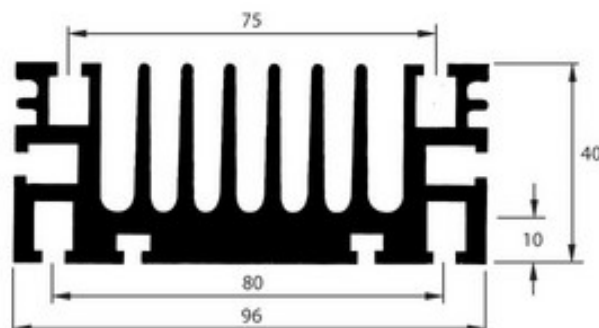
ELECTRICAL SAFETY	INSTALLATION REQUIREMENTS	USER RESTRICTIONS	USAGE ENVIRONMENT	HOT SURFACE WARNING
WARNING: RISK OF ELECTRIC SHOCK Always consult the Installation & Maintenance Instructions before connecting this product to the power supply. WARNING: Disconnect Power Before Servicing Ensure the electrical supply is safely disconnected before connecting to any supply, load, or control terminals.	WARNING: Installation by Qualified Personnel Only This product must only be installed or fitted by a competent, qualified installer familiar with the relevant electrical standards and installation practices.	WARNING: Not for Use by Vulnerable Individuals This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.	WARNING: Industrial Use Only This is an industrial-grade product and is not intended for household use.	WARNING: Hot Surfaces On certain models, surfaces marked with this symbol become hot during use. Avoid direct contact and follow all thermal safety precautions.

KA100 Back Plate mounted heatsink

Up to 25A

KA-100 25A Heatsink with Thermal Paste

DIMENSIONS



EASY INSTALLATION

Installing the KA-100 heatsink is a hassle-free process. Simply apply the provided thermal paste evenly to the back of the device and securely affix it to the heatsink. The heatsink can then be wall-mounted using the four holes on the back plate, ensuring a snug and secure fit.

Enhance the performance and longevity of your devices with the KA-100 25A Heatsink with Thermal Paste. Experience efficient thermal management and reliability across a wide range of applications, making it an ideal choice for your specific needs.

Invest in the KA-100 for optimal heat dissipation, reliability, and seamless compatibility across a variety of devices, ensuring top-notch performance and durability.

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
A15216	KA100 Back plate mounted heatsink up to 25A with thermal paste