

UL Approval Statement



Who are UL?

The American organisation Underwriters Laboratories (UL) is a non-profit making independent organisation which is responsible for the writing, testing, and certification of product safety standards.

Is the Arcol product UL approved?

To our knowledge there is no UL file listing for power resistors of this type. However, constituent materials and the finished HS Series (heatsink) resistor have been approved to alternative UL file numbers in finished equipment as follows: -



1. Primary encapsulation has UL 94 V-0 approval (self - extinguishing).

2. The finished product has been assessed by Underwriters Laboratories Inc.,
Northbrook, IL., U.S.A.
Conformity Assessment Services Section
3015DNBK

To UL 335 for electrical Insulators.

The use of generic epoxy as a suitable insulator (resistor is encased in epoxy material surrounded by metal heat sink) complies with UL requirements. Since the material is considered to have an RTI (relative thermal Index) of 105* centigrade (suitable for the intended use) and complies with the end-use product Dielectric Withstand and Insulation Resistance test requirements.

3. UL 508C Power conversion Equipment.

UL 840 Insulation including Creepage and clearance distances in electrical equipment.

4. The design of the Heatsink resistor generally complies with the requirements of CECC 40203-006.

Although the fixing centers are in line with the MIL spec. 18546, the hot spot temperature rating is limited to +200°.

Signed on behalf of ARCOL UK Ltd.

Alun Morgan, Technical Director

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The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.