

EARTHRINGS™

VFD ELECTRIC MOTOR BEARING PROTECTION

HV Warranty Certificate

Earthings (Pty) Ltd warrants that the **Earthings HV & HV ARC Products'** are free from manufacturers defects in material and workmanship under normal operating conditions , as well as performing in such a manner as to prevent/stop fluting or frosting of the Drive end and Non- Drive end bearings of an Electric motor.

HV Warranty Period

The warranty period is for a 2 year period from time of purchase for standard HV Earthings, and for a 3 year period from time of purchase for the ARC Earthing if HV ARC instructions are followed.

Contents of the HV Warranty

Earthings (Pty) Ltd, at its sole discretion, have the option to repair or replace any defective product to the purchaser.

Any performance defects would also need to be identified by distinct signs of fluting or frosting on one or both bearings, only bearings identified with these fault patterns will be liable for a warranty claim.

The HV ARC needs to be set at a 2mm Fibre depth inwards (into the shaft) at the initial installation, after 18 months the HV Earthing must then be adjusted a further 1mm inwards into the shaft, this will qualify the HV Earthing for a 3 Years Warranty from time of installation. If this second adjustment is not undertaken or it is not undertaken at month 18, then a 2 year warranty will still apply to the HV ARC Earthing. HV Earthings need to be used in conjunction with a non-drive end Insulated housing / bearing.

A Warranty claim will cover and include: - 1) Repair or Replacement of the defective Earthing 2) Replacement of the fluted / frosted bearings and 3) \$500.00 US dollars per end cover (if damaged), which was related to the fluting / frosting and eventual bearing failure on the said electric motor.

Restrictions of HV Warranty

This warranty has been given provided that the Earthings Product is used in its normal intended use and that due care and compliance with the "Installation Instructions" and under the direction and adherence of "Earthings Manufacturers Specifications" are observed and adhered to.

The obligations of Earthings (Pty) Ltd have been restricted to these warranty terms and conditions and the warranty thus does not cover losses incurred as a result of damage to other property or persons.

The warranty does not cover defects which are the result of: -

- transportation of the Earthings Product by agent/third party;
- negligence of Earthings Product or failure to follow the instructions or proper care;
- placing Earthings Product in a high acid or alkaline environment, without getting proper approval from Earthings (Pty) Ltd;
- placing the product in an area which could be counterproductive to its operations, such as hard curing substance like glue, melted sugar etc;
- totally submerged in any pool of liquids for long periods of time, such as oil, water, chemicals etc that would make the Earthings product impossible to perform its duties.

The warranty does not cover defects that are insignificant to the use of the Earthings Product, such as the repair of superficial scratches.

Procedure in Case of Defect or Non Performance of HV and HV ARC.

The purchaser shall inform Earthings (Pty) Ltd or the nearest Agent in writing within 7 calendar days of the Purchaser been put on notice of the defect. The writing shall include the following information:- (1) the Type of Earthing Product (HV, LV, etc) in question (2) who the product was purchased from (3) the person or company (third party such as bearing company or Condition monitoring experts) that assessed the bearing damage (4) a detailed report of the damage and analysis including photos, bearing brand, bearing sizes, and condition monitoring reports as printed out by Computer or data capturing device (if such devices were used on said motor) (5) when the Earthings Product was installed, (6) date of ARC Earthing 1mm inward adjustment if it is an HV ARC (7) description of the Electric motor and (8) the application the motor was installed in .

By Order of T.L.Timm Director



HV