



Pre-magnetisation systems

IEC 60076



This type of pre-magnetisation equipment is designed to provide a soft start in transformers with a certain power in order to avoid potential high inrush currents.

These inrush currents can be up to 8-10 times higher than the rated current.

The equipment includes all the necessary elements to carry out the turn-on operation, which can be done either:

- Manually, by pressing a button on the cabinet.
- Automatically, by sending a voltage signal to the equipment.

The working sequence in automatic mode is as follows:

STEP 1.- DISCONNECTION OF MAIN TRANSFORMER.

STEP 2.- CONNECTION OF PREMAG SYSTEM BY MEANS OF A SWITCH PLACED BY THE CUSTOMER.

STEP 3.- PRE-MAGNETISATION OF THE MAIN TRANSFORMER FOR APPROX. 4-5 SECONDS.

STEP 4.- 230V SIGNAL AUTOMATICALLY SENT TO THE MAIN SWITCH TO CONNECT.

STEP 5.- THE PRE-MAGNETISATION SYSTEM WILL BE SWITCHED OFF BY MEANS OF AN AUXILIARY CONTACT, NORMALLY CLOSED, PLACED ON THE MAIN SWITCH.

The PREMAG equipment has very small dimensions and can be part of the main transformer box.

Each unit has been specifically designed for a certain power, frequency, voltage, etc., based on the main transformer power.

Please check with our technical department, given the wide product range.