

grup ARGE

Discharge Reactor User Manual



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PROPER USE AND SAFETY REQUAIRMENTS



Cut all the power when connecting and disconnecting the device to a panel.



Do not clean the device with a solvent or similar material. Only use a dry cloth.



Please do not intervene to the device when a technical problem is encountered and get in contact with a technical service within the shortest time.



If the warnings are not taken into account, our company or the authorized dealer shall not be held responsible for the negative consequences.



Do not dispose in the trash, the device must be delivered to the collection centers (electronic device recycling centers). It should be recycled or disposed of without harming human health and environment.



The installation, assembly, activation and operation of the device should be done and used by only expert professionals and in accordance with safety regulations and instructions.



The device operates with current transformers. Do not strictly leave current transformer tips unattached. Dangerous high voltage can occur.

1. INTRODUCTION

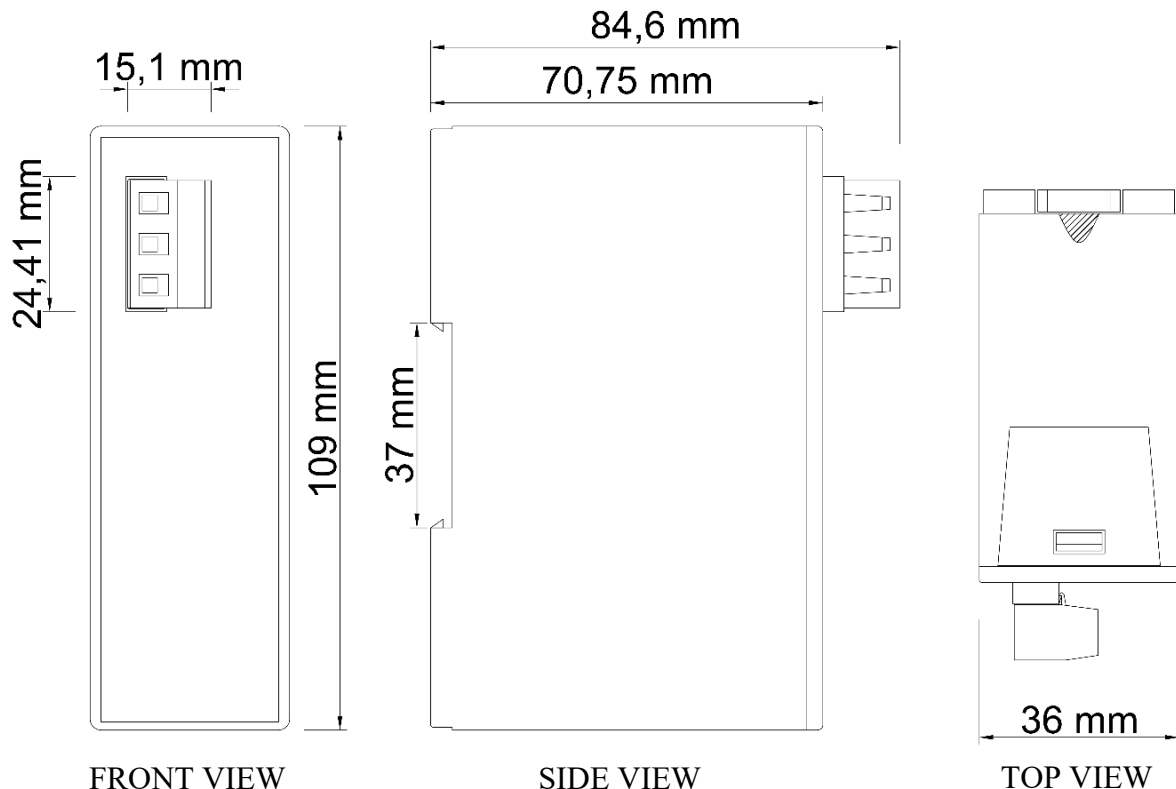
1.1 General Features

It provides the capacitors to be discharged in a short time in enterprises with fast loads. In this way, it contributes to the usage time of capacitors and contactors. The device can be mounted on the in-panel rail..

1.2 Technical Features

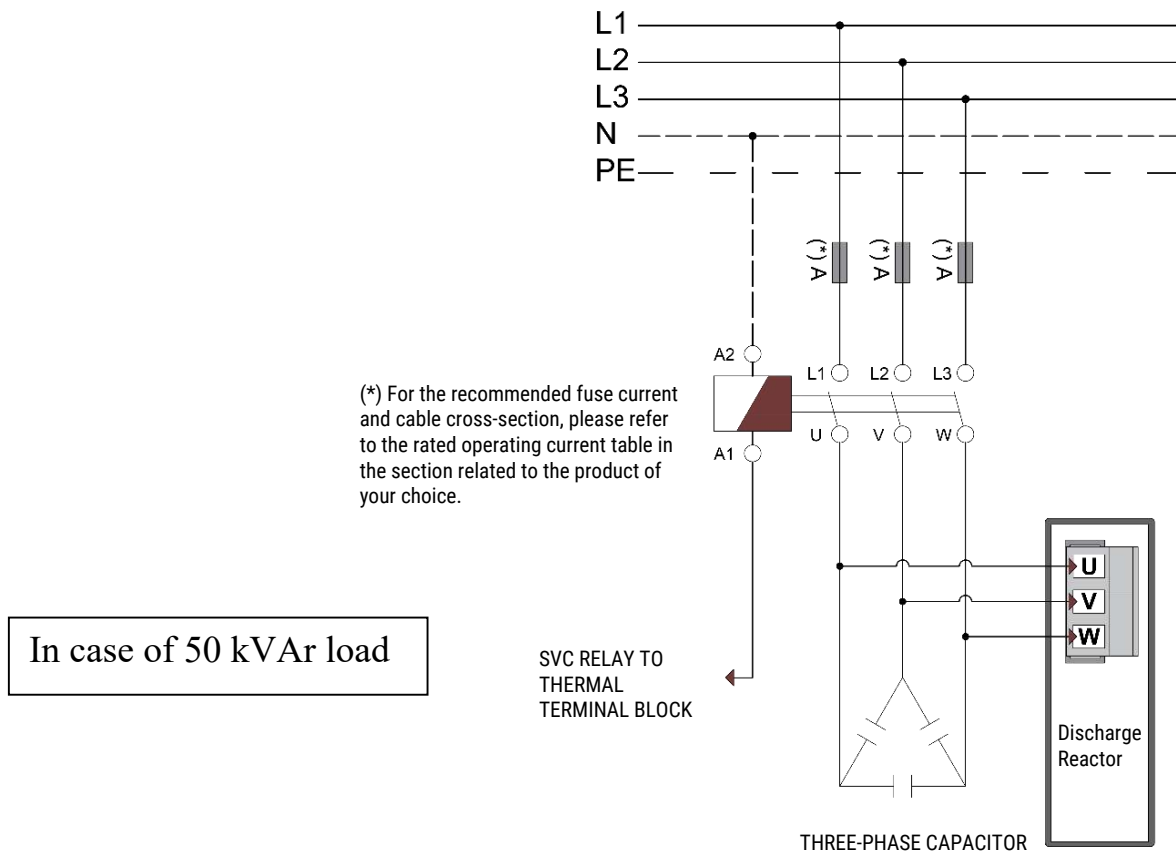
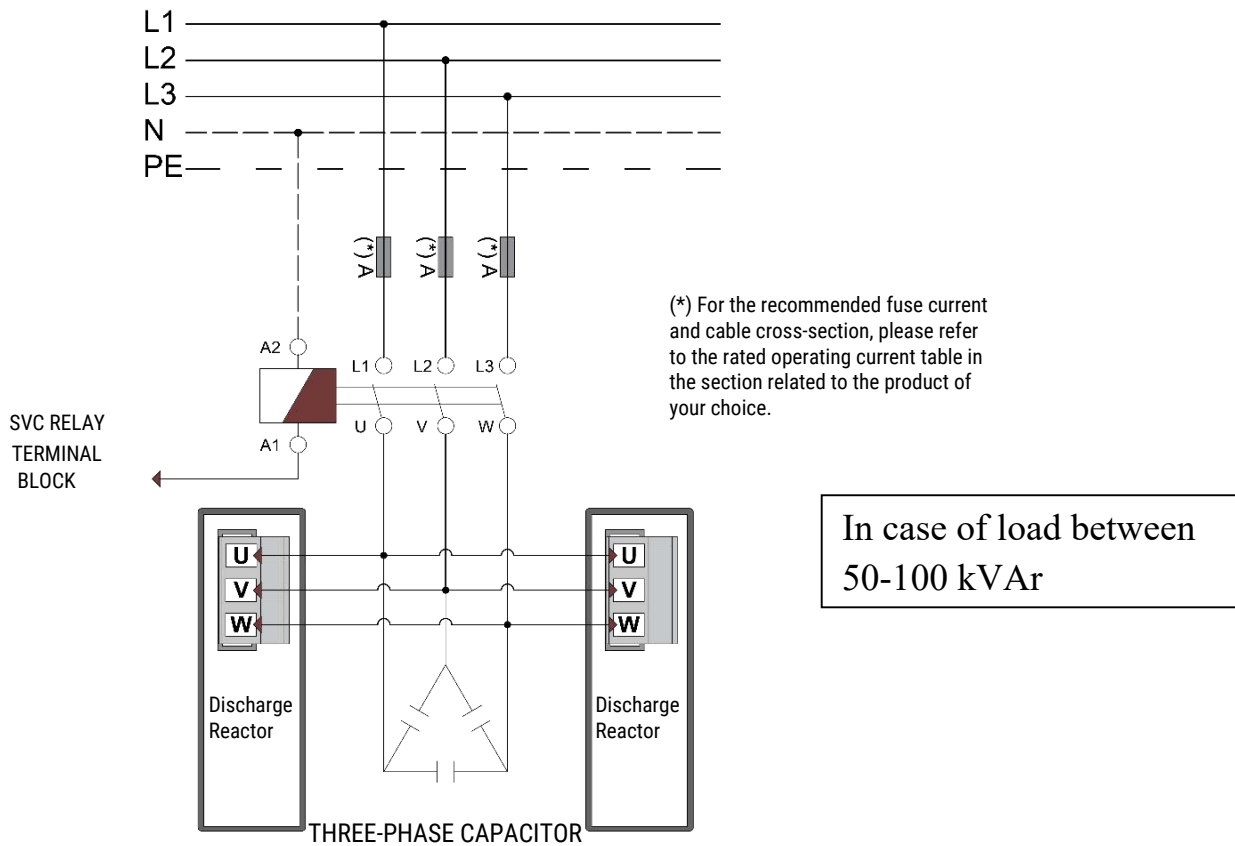
- Nominal voltage is in the range of 180 – 660 V AC
- Nominal frequency is 50 Hz'.
- Discharge time is $t < 1.2$ sec for the load 12.5 kVAr, $t < 2.5$ sec for the load 25 kVAr , $t < 5$ sec for the load 50 kVAr .
- The power of the low voltage capacitor to be discharged should be maximum 50 kVAr.
- If 2 units are used against a load between 50-100 kVAr, the capacitor can be discharged.
- It has IP40 protection class.

1.3 Device Dimensions



Shape 1.1

2. CONNECTION DIAGRAM



Shape 2.1