

Discharge Reactor User Manual



**ADDRESS: Ikitelli OSB Mah. Cevre
14. Blok Sok. Telas Blok Dis Kapi
No: 1 Kat: 1-2 Basaksehir/Istanbul**

**Phone: +90 212 438 80 24
Fax: +90 212 438 80 25**

info@gruparge.com

CONTENTS

PROPER USE AND SAFETY CONDITIONS	3
1. INTRODUCTION	4
1.1. General Features	4
1.2. Technical Features	4
1.3. Technical Drawing	4
1.4. Connection Diagram	5

PROPER USE AND SAFETY REQUIREMENTS



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.

1. INTRODUCTION

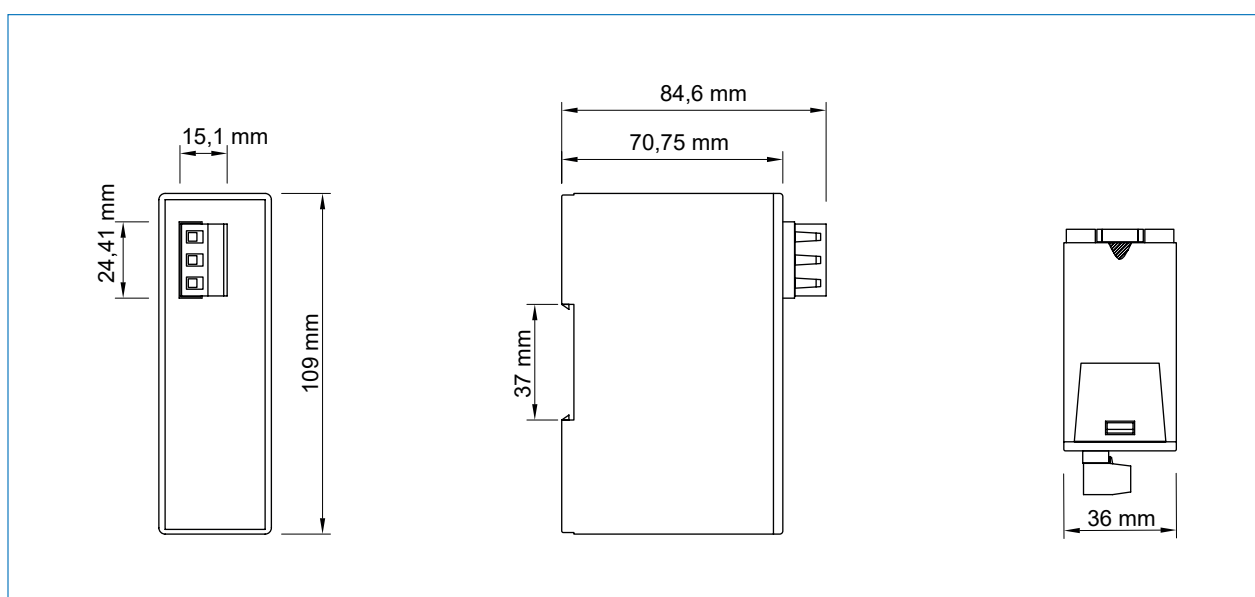
1.1. General Features

In systems with fast loads, it ensures that capacitors are discharged quickly. This contributes to the service life of capacitors and contactors. The device can be mounted on a rail inside the panel.

1.2. Technical Features

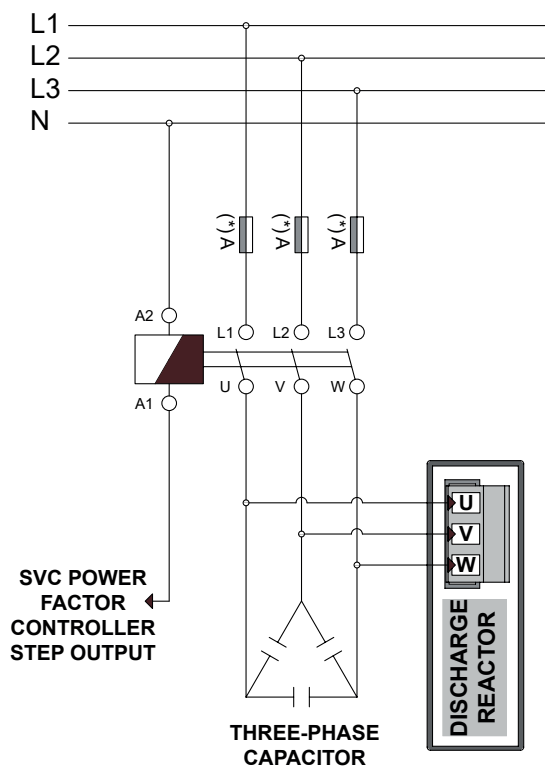
- **Nominal Voltage:** 180 - 660 V AC
 - **Discharge Time:**
 - For a 12.5 kVAr load; $t < 1,2$ s,
 - For a 25 kVAr load; $t < 2,5$ s,
 - For a 50 kVAr load; $t < 5$ s,
 - **Nominal Frequency:** 50 / 60 Hz
 - **Mounting:** Panel Rail
 - **Protection Class:** IP40
 - **Max. Capacitor Power:** 50 kVAr
-
- For loads between 50 and 100 kVAr, 2 units are used.
 - It is recommended to use the discharge reactor with compensation contactors.

1.3. Technical Drawing



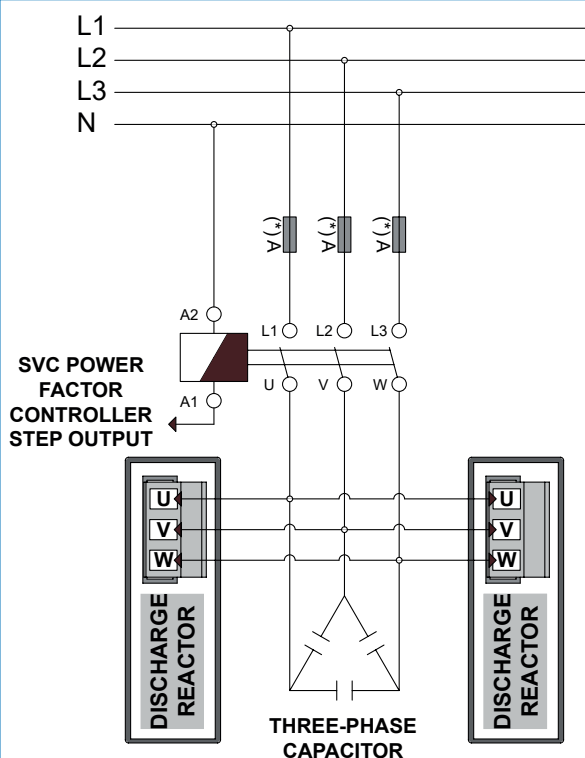
1.4. Connection Diagram

Discharge Reactor up to 50 KVAR



(*)For the recommended fuse current and cable cross-section, please refer to the rated operating current table in the section related to the product of your choice.

Discharge Reactor between 50 - 100 kVAr



(*)For the recommended fuse current and cable cross-section, please refer to the rated operating current table in the section related to the product of your choice.