

Voltage Protection Relay Datasheet



ADDRESS: İkitelli OSB Mah. Çevre
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

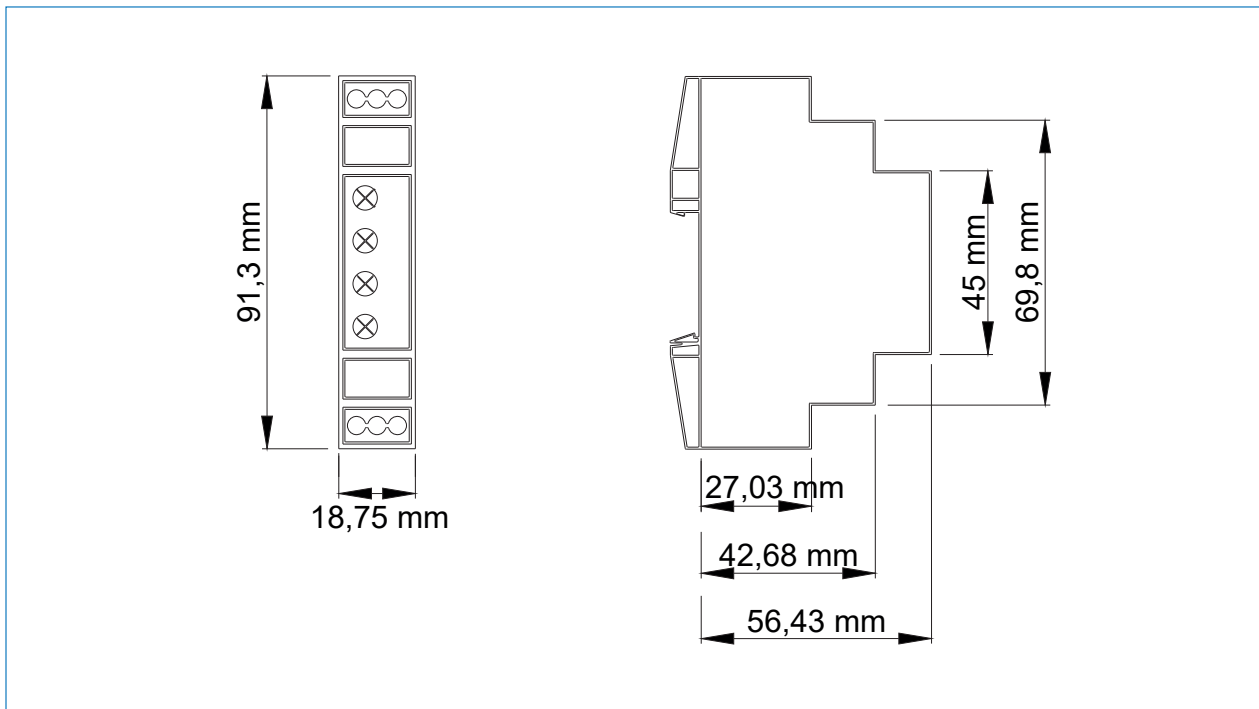
1.1. General Features

Voltage protection relay is a safety device in electrical systems that interrupts the circuit to protect equipment and devices when the voltage goes beyond the specified limits. These relays prevent damage to sensitive components in the system by detecting low or high voltage conditions. It is critical to ensure electrical safety and continuity.

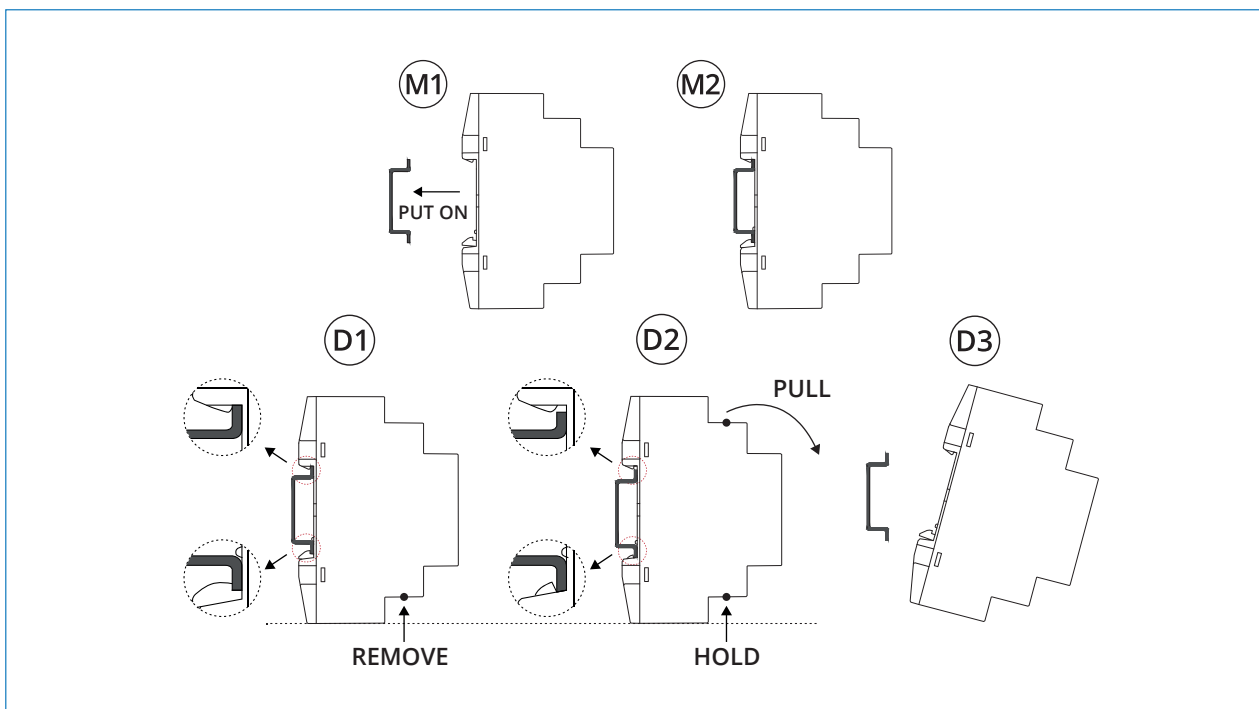
1.2. Technical Features

- **Operating Voltage:** 3 x 220 V AC and Neutral (GRL01, GRL02, GRL03)
3 x 220 V AC (GRL11, GRL12)
- **Operating Frequency:** 50 / 60 Hz.
- **Low Voltage Setting:** 150 – 210 V AC (GRL01)
270 – 370 V AC (GRL02, GRL03, GRL11, GRL12)
- **High Voltage Setting:** 240 – 300 V AC (GRL01)
410 – 510 V AC (GRL02, GRL03, GRL11, GRL12)
- **Pull / Release Delay:** 0.1 sn – 20 sn
- **Relay Output:** 1N/O, 5A, 1385 VA
- **Hysteresis:** $U_n \times \%2$
- **Adjustment:** Potentiometer
- **Indicator:** 6 LEDs
- **Ambient Temperature:** -5°C ; +50°C
- **Protection Class:** IP20
- **Mounting:** DIN Rail

1.3. Technical Drawing



1.4. Product Assembly and Disassembly



1.5. Connection Diagram

