Voltage Protection Relay Datasheet



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V.25.1

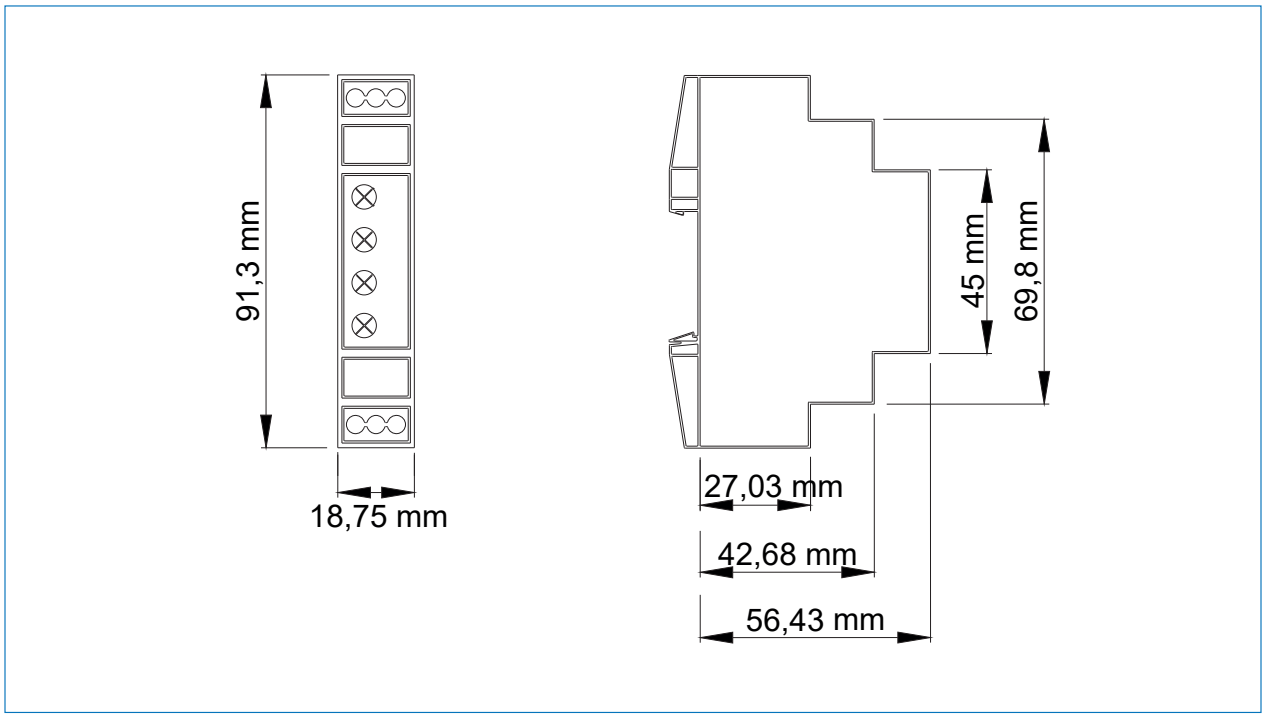
1.1. General Features

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.

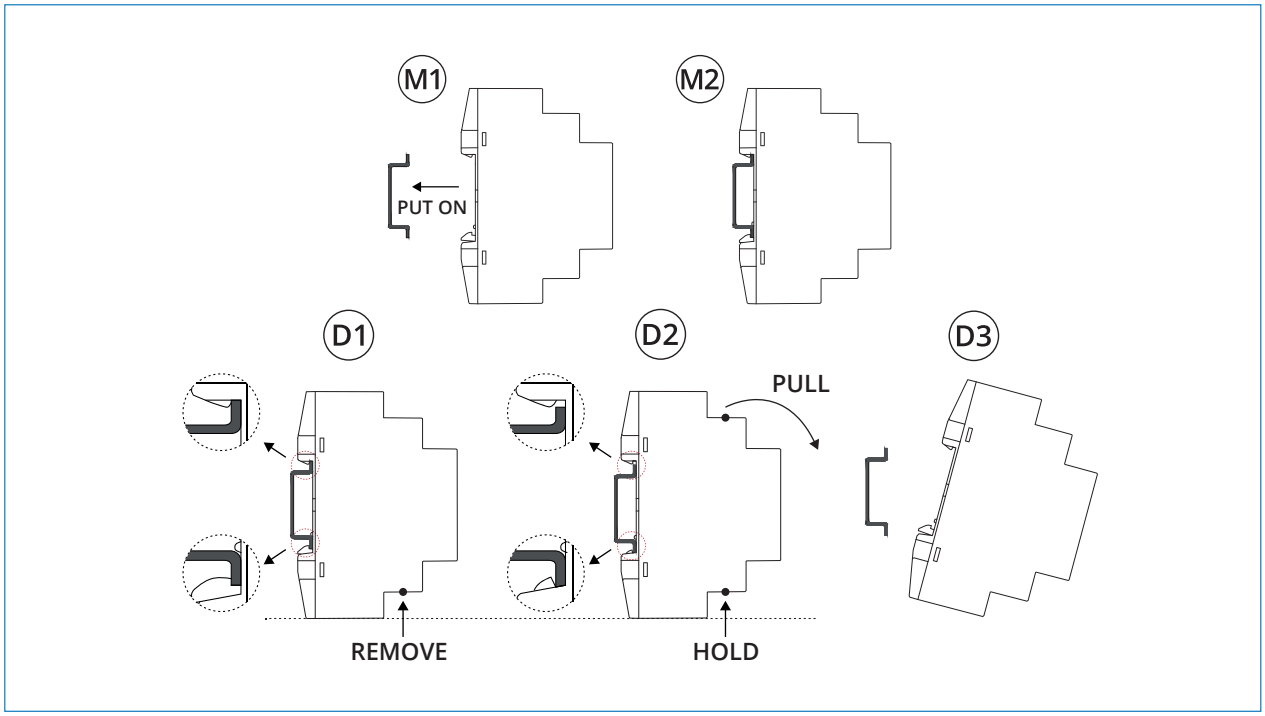
1.2. Technical Features

Operating Voltage:	220 V AC / 3 x 380 V AC + N (GRL01) (Single Phase Compatible) 3 x 380 V AC + N (GRL02, GRL03) 3 x 380 V AC (GRL11, GRL12)
Connection Type:	(1P2W - Single Phase) / (3P4W - Three Phase + Neutral) - (GRL01) (3P4W - Three Phase + Neutral) - (GRL02, GRL03) (3P3W - Three Phase without Neutral) - (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 sec. – 20 sec.
Relay Output:	1 × N/O, 5 A @ 250 VAC
Hysteresis:	Un x %2
Adjustment:	Potentiometer
Indicator:	6 LEDs
Ambient Temperature:	-5°C to +50°C
Protection Class:	IP20
Mounting:	DIN Rail

1.3. Technical Drawing



1.4. Product Assembly and Disassembly



1.5. Connection Diagram

