Phase Protection Relay
Datasheet



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V.25.1

1.1. General Features

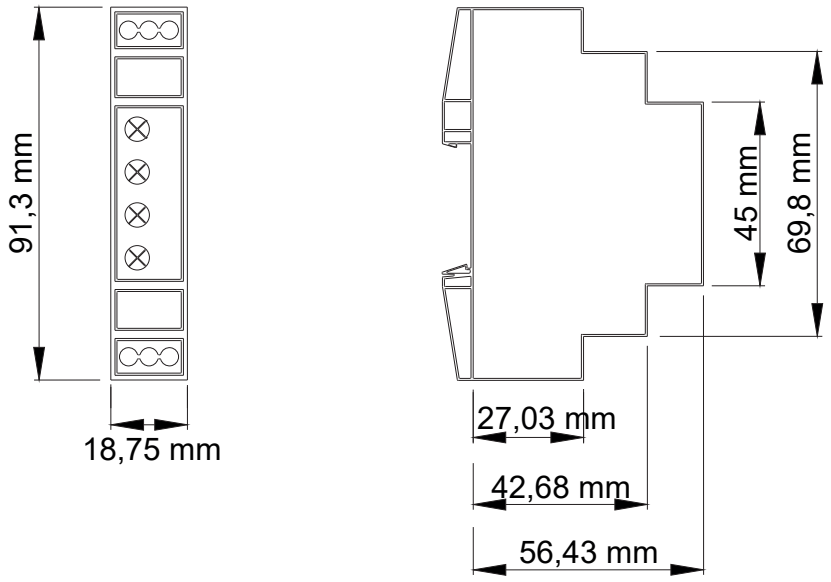
Phase Protection Relay functions as a critical protection device in electrical power systems. Its main purpose is to detect problems such as Phase Absence, Neutral Absence, Phase Sequence, Phase Asymmetry (Unbalance), Over Voltage and Under Voltage etc. in three-phase electrical power systems and to protect electrical equipment and systems by taking necessary measures.

This device is used to ensure the safety of sensitive and high value industrial equipment such as electric motors, pumps, compressors. There are relays that operate according to fixed asymmetry limits, as well as relay types with adjustable asymmetry limits. This feature allows for protection suitable for different applications.

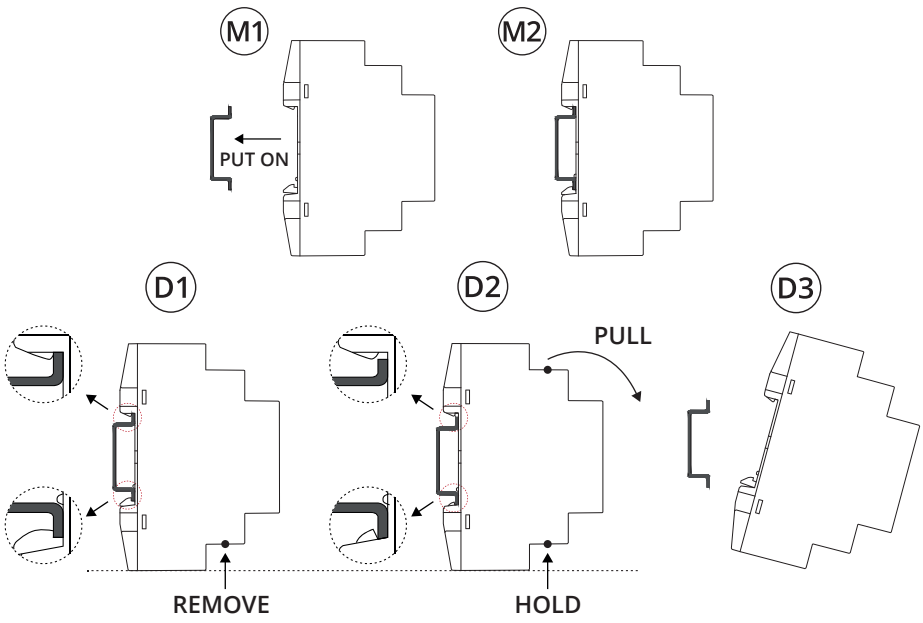
1.2. Technical Features

Operating Voltage:	3 x 380 V AC + N (FAZ01, FAZ02, FAZ03, FAZ04) 3 x 380 V AC (FAZ11, FAZ12, FAZ13)
Connection Type:	(3P4W - Three Phase + Neutral) - (FAZ01, FAZ02, FAZ03, FAZ04) (3P3W - Three Phase without Neutral) - (FAZ11, FAZ12, FAZ13)
Operating Frequency:	50 / 60 Hz
Asymmetry Setting:	%20 Fixed Asymmetry (FAZ01) %40 Fixed Asymmetry (FAZ03) %5-35 Adjustable and Closable (FAZ02, FAZ04, FAZ11, FAZ12, FAZ13)
Low Voltage Setting:	270 – 370 V AC (FAZ13)
High Voltage Setting:	410 – 510 V AC (FAZ13)
Pull / Release Delay:	0.1 sec. – 20 sec.
Relay Output:	1 × N/O, 5 A @ 250 VAC
Hysteresis:	Un x %2
Adjustment:	Potentiometer
Indicator:	5 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

