

EGR

Electronic Ground Fault Relay



Features

- MCU Based Compact Design
- Ground Fault Protection with ZCT
- Trip & Run Indication LED
- Manual / Electrical Reset

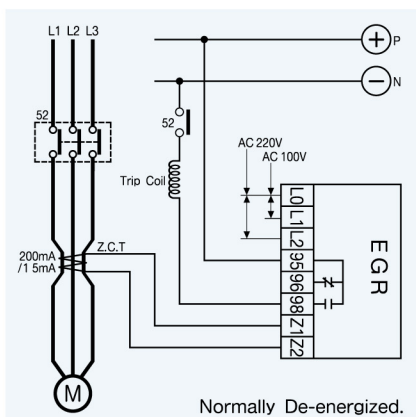
Protection

Protective Item	Trip Time
Ground Fault	O-Time

Specification

Ground Fault (GF)	Type	Range
Current Setting	05	50 - 500mA
	10	100 - 1,000mA
	20	200 - 2,500mA
Trip Time Setting	O-TIME	0.2 - 2.0 sec
Reset	Manual / Electrical (Push RESET Button or Interrupt Supply Power)	
Power Supply	AC110 / 220V, 50/60Hz	
Output Relay	Mode/Rating	1-SPDT(1C), AC250V/3A Resistive
	Status	Normally De-energized
Mounting	35mm DIN-Rail / Panel	

Typical Wiring



PMR

Electronic Phase Monitoring Relay



Features

- MCU Based Compact Design
- Multiple Protection Functions
- 2 - 5% Voltage Unbalance Setting
- Trip Cause Indication & Troubleshooting
- Manual / Electrical / Automatic Reset
- Ambient Insensitive
- Fail-safe Operation

Protection

Protective Item	Trip Time
Phase Reversal	0.1 sec
Phase Loss	1 sec
Voltage Unbalance	5 sec

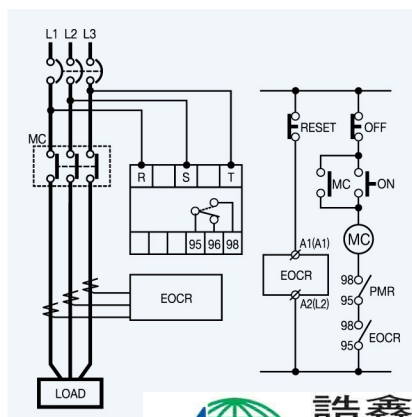
Specification

Control Voltage	Type	Range
	22	3 Ø AC160 - 300V, 50/60Hz
Reset	44	3 Ø AC340 - 480V, 50/60Hz
	Manual (Instantaneous) / Electrical Automatically reset with 5 sec delay when supply power comes to normal.	
Output Relay	Mode	1 - SPDT (1C)
	Rating	AC250V/ 5A Resistive
	Status	Normally Energized
Mounting	35mm DIN-rail/Rail	

Troubleshooting

Condition	LED Signal (Pulse Chart)			
	Green LED		Red LED	
Normal Run	On	[Solid Bar]	Off	[Solid Bar]
Voltage Unbalancing	On	[Solid Bar]	On	[Solid Bar]
Trip	Voltage Unbalance	Off	On	[Solid Bar]
	Phase Loss	R	Off	[Flickering]
		S	Off	[Flickering]
		T	Off	[Flickering]
	Phase Reversal	[Flickering]	[Flickering]	[Flickering alternatively]

Typical Wiring



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