



**ENTES Voltage Protection Relay
with visual interface: Reliable
protection for your equipment**

GKRC-E Pro Series Advanced Protection Relay



**Under and Over
Voltage Protection**

**Voltage Unbalance
Protection**

**Advanced Neutral
Break Detection***

**Over and Under
Frequency Protection**

**Phase Failure & Phase
Sequence Protection**

THD Measurement

*Provides superior protection against neutral disconnections by monitoring phase shifts.



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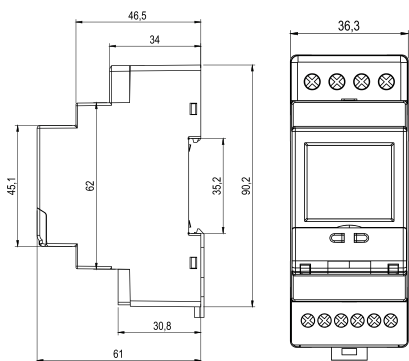
FEATURES

	GKRC-21E	GKRC-22E
ENCLOSURE		
Dimension	36x90x58 (DIN2)	
Display	LCD Screen	
Protection Class	Front panel: IP40 , Terminal: IP20	
Button	4 x Universal Interface	
Box weight	127g	
SUPPLY		
Voltage Range	85-300 VAC	
Nominal Voltage(Un)	230 VAC	
Frequency	45-65 Hz	
Power Consumption	< 2.5 VA	
MEASUREMENT		
Accuracy	± 0,5	
Under Voltage Limit	Adjustable	
High Voltage Limit	Adjustable	
Voltage Unbalance	%5 - % 30	
ALARMS		
* Under and Over Voltage Protection	Phase-Neutral: 110V - 300V ; Phase-Phase: 110V - 510V	
* Under and Over Frequency Protection	40-70 Hz adjustable	
Neutral Breake Detection	●	
* Voltage Unbalance Protection	●	
Phase Failure Protection	●	
* Phase Sequence Protection	●	
ON Delay	0-300 sec adjustable (Advanced Mode)	
OFF delay	0-300 sec adjustable (Advanced Mode)	
RELAY OUTPUT		
Contact Outputs	1 Contact Output	2 Contact Output
Maximum Switching Current (A)	8A	
Maximum Switching Voltage (VAC)	250 VAC	
CONNECTIONS		
Mounting	Rail Mounting	
Connection Types	3 Phase, 3 Wire or 3 Phase, 4 Wire	
TERMINAL STRUCTURE		
Terminal Type	4 mm² (12WAG) Screwed	
AMBIENT CONDITIONS		
Operating Temperature	-20°C... +70 °C	
Storage Temperature	-25°C...+80 °C	
Maximum Ambient Humidity	%95, Non-Condensing	

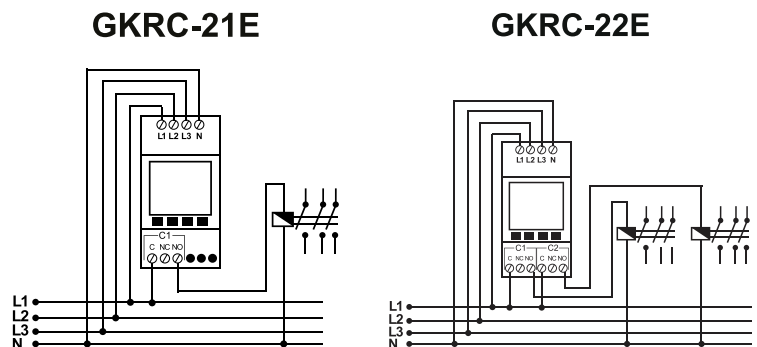
* There is an option to disable the features.

** It activates an instantaneous trip when the phase difference exceeds 50%.

Dimensions (mm)



Connection Diagram



HEADQUARTERS

Address: Dudullu OSB; 1. Cadde; No: 23 34776 Umraniye - ISTANBUL / TÜRKİYE Tel: +90 216 313 01 10 Fax: +90 216 314 16 15 Sales Fax: +90 216 365 71 71
E-mail: contact@entes.eu Web: www.entes.eu Call Center Technical Support: 0850 888 84 25 Coordinates: 40,995852 N, 29,178398 E

INTERNATIONAL BRANCH OFFICES

ISTANBUL : contact@entes.eu Tel: +90 216 313 01 10 Fax: +90 216 314 16 15
INDIA : contact@entes.in Tel: +91 981 - 2980004
GREECE : contact@entes.eu Tel: +30 2310 706999 +30 2310 707296
GERMANY : kontakt@enteselektronik.com Tel: +49(0) 7022-931992-0

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