

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

GKRC-E Pro Series
Advanced Protection Relay

- Under and Over Voltage Protection
- Over and Under Frequency Protection
- Voltage Unbalance Protection
- Phase Failure & Phase Sequence Protection
- Advanced Neutral Break Detection*
- THD Measurement

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

www.entes.eu

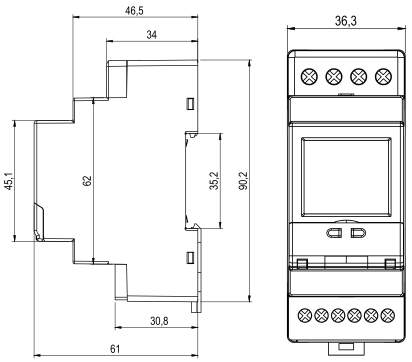
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FEATURES

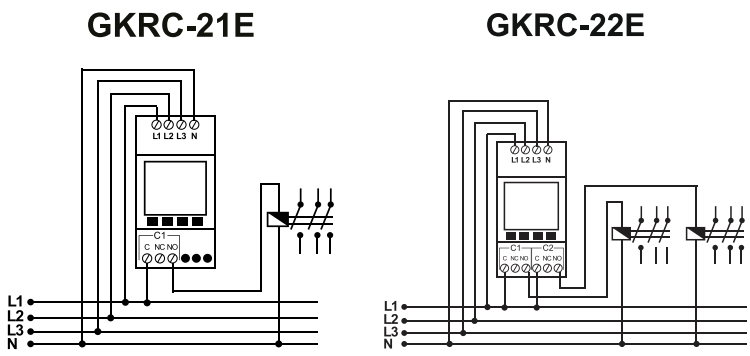
	GKRC-21E	GKRC-22E
ENCLOSURE		
Dimension	36x90x58 (DIN2)	
Display	LCD Screen	
Protection Class	Front panel: IP40 , Terminal: IP20	
Button	4 x Universal Interface	
Box weight	127g	
SUPPLY		
Voltage Range	85-300 VAC	
Nominal Voltage(Un)	230 VAC	
Frequency	45-65 Hz	
Power Consumption	< 2.5 VA	
MEASUREMENT		
Accuracy	± 0,5	
Under Voltage Limit	Adjustable	
High Voltage Limit	Adjustable	
Voltage Unbalance	%5 - % 30	
ALARMS		
* Under and Over Voltage Protection	Phase-Neutral: 115V-300V Phase-Neutral: 200V-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	
AMBITION 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



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