

This document must be retained for future reference.

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All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.
All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



ECPF03, 05, 08 Phase Failure Relay



Data	ECPF03	ECPF05	ECPF08
Function	Monitoring 3-phase voltage		
Monitoring terminals	L1-L2-L3		
Supply terminals	L1-L2		
Voltage range	220-230-240-380-400-415-440-460 (P-P)		
Rated supply frequency	45Hz-65Hz		
Measuring range	176V-552V		
Threshold adjustment voltage	-	2%-20% of Un selected	
Adjustment of asymmetry threshold	-	8%	
Hysteresis	2%		
Phase failiure value	70% of Un selected		
Time delay	-	Adjustable 0.1s-10s, 10%	2s
Measurement error	<1%		
Run up delay at power up	0.5s time delay		
Knob Setting Accuracy	-	1% of scale value	
Supply Indication	Green LED		
Output Indication	Red LED		
Reset time	1000ms		
Output	1 x SPDT		
Current rating	10A / AC1		
Switching voltage	250VAC/24VDC		
Min breaking capacity DC	500mW		
Temperature coecient	0.05%/°C,at=20°C (0.05%°F, at=68°F)		
Mechanical Life	1 x 10 ⁷		
Electrical life (AC1)	1 x 10 ⁶		
Operating temperature	-20°C to + 55°C (-4°F to 131°F)		
Storage temperature	-35°C to + 75°C (-22°F to 158°F)		
Mounting/DIN rail	Din Rail EN/IEC 60715		
Protection degree	IP40 for front panel / IP20 Terminals		
Operating position	Any		
Overvoltage category	III.		
Pollution degree	2		
Max Cable Size (mm²)	Solid wire max 1 x 2.5 or 2 x 1.5 / with sleeve max 1 x 2.5 (AWG 12)		
Dimensions	90 x 18 x 64mm		
Weight	64g		
Standards	IEC/EN 60255-6. IEC/EN61010-1		

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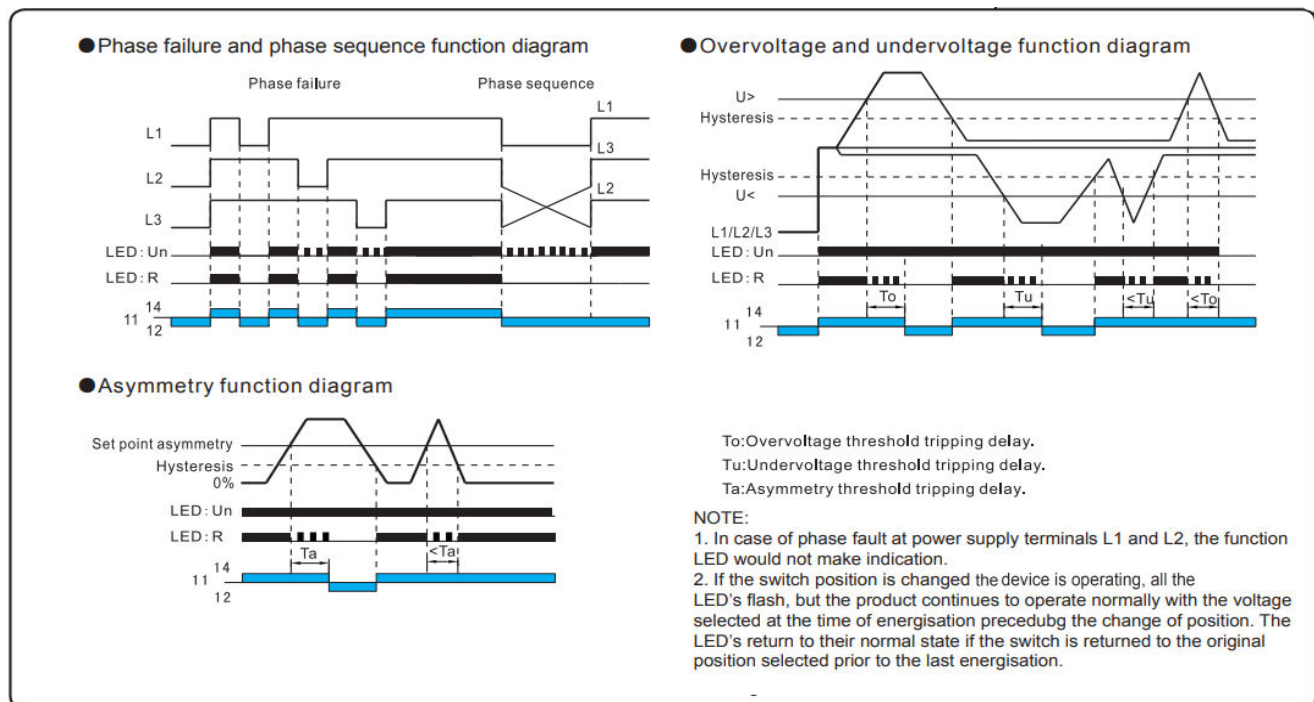
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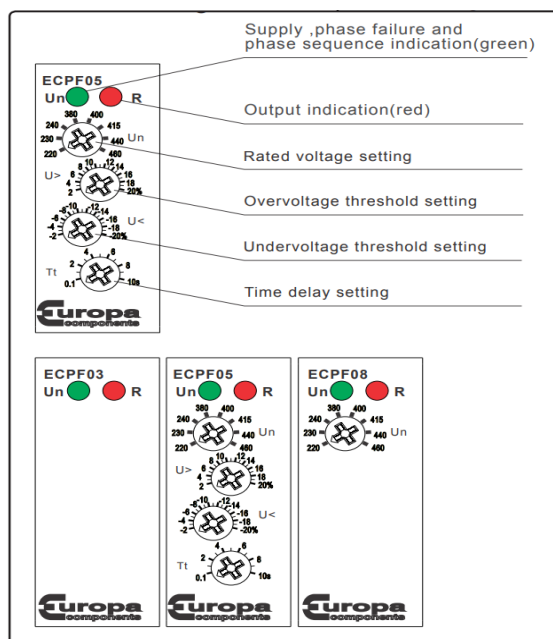
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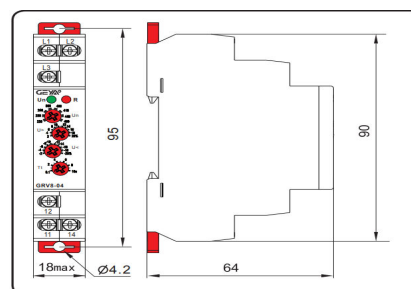
Functions Diagram



Panel Diagram



Dimensions



Wiring Diagram

