EOCR-PFZ

Digital Over Current Relay

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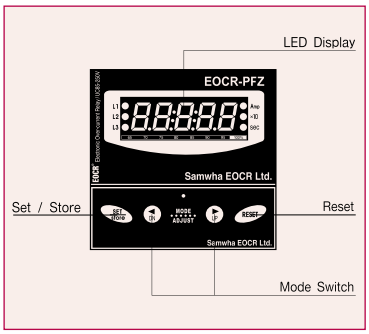


- MCU Based / Panel Mounting Type
- 3 Integral Current Transformers
- Over-current, Under courrent, Phase Loss, Phase Unbalance, Phase Reversal, Ground Fault. Locked Rotor Protection and current output(4~20mA)
- Digital Ammeter & Easy Troubleshooting
- Bar-graph Type LED Display
- Selectable Trip Time-Current Characteristics
- Independently Adjustable Starting Trip Delay and Trip Time

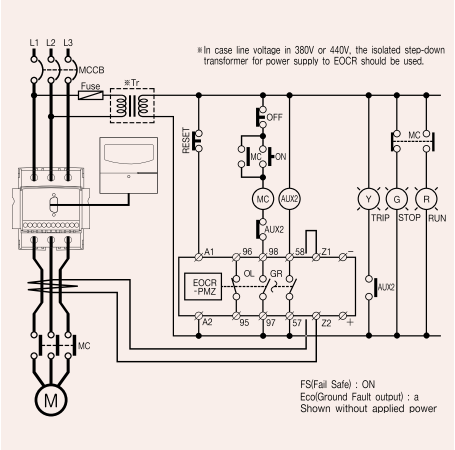
Protection

EOCR-PFZ			
Protective Item	**Trip Time**	**Protective Item**	**Trip Time**
Over-current	O-TIME	Short Circuit	0.03~0.05sec
Under-Current	Preset Ut time	Ground fault	Preset Et time
Phase reversal	3sec	Locked Rotor	0.5sec after d-time
Phase Unbalance	8sec	Stall	0.05~10sec

Specification

Model			**PFZ**	
Current Setting Range	Over-Current(oc)		Refer to current setting range(page 19)	
	Under-Current(uc)		Off / 0.5 ~ less than "oc" setting	
	Ground Fault Current(Ec)		Off	
			0.3 ~ 10A : definite time characteristics	
			0.3 ~ 1A definite / inverse time characteristics, selectable	
Time Setting	Starting Delay T ime(dt)		Off ~ 200sec, Adjustable	
	Over-Current Trip Delay(ot)		Definite Time	0.2 ~30sec
			Inverse Time	1.0 ~ 30class(30curves)
	Under-Current Trip Delay(ut)		0.5 ~ 30sec, definite time characteristics, if "uc" mode is OFF, then OFF is displayed automatically in "ut" mode	
	Ground Fault Trip Delay(Et)		Definite / Inverse : 0.05, 0.1 ~ 1 ~ 10sec(curve-3)	
	Ground Failt Starting Delay(Ed)		OFF / 1~ 10sec	
Tolerance	Current		±5%	
	Time		±5%	
Control Power	220		85 ~ 250VAC/DC, 50/60Hz	
Contact Rating	OL		2-SPST	3A/250VAC Resistive
	GR		1-SPST	3A/250VAC Resistive
Environment	Temperature	Store	-30 ~ 80℃	
		Operation	-20 ~ 60℃	
	Humidity		30 ~ 85% RH Non-Condensing	
Display	7-Segment LEDs		3 Phase current, Trip cause, Operating hour	
	Bar-Graph		Load factor for current setting(50 ~ 100%)	
Insulation			Between casing and circuit : over 10㏁, DC500V	
Dielectric Strength	Between casing and circuit		Between casing and circuit	2000VAC, 60Hz, 1min
	Between open contacts		Between open contacts	1000VAC, 60Hz, 1min
	Between circuit		Between circuit	2000VAC, 60Hz, 1min
Electrostatic Discharge		IEC61000-4-2	Lever 3 : Air Discharge : ±8kV, Contact Discharge : ±6kV	
Radiated Electromagnetic Field Disturbance		IEC61000-4-3	Lever 3 : 10V/m, 150MHz & 450MHz Portable transceiver	
EFT / Burst		IEC61000-4-4	Lever 3 : ±2kV, 1min	
Surge		IEC61000-4-5	Lever 3 : 1.×50㎲, ±4kV(0°, 90°, 180°, 270°)	
1MHz Burst disturbance		IEC61000-4-12	Lever 3 : 2.5kV, 1MHz	
Conducted Emission		EN55011	Class B	

Typical Wiring



EOCR-PFZ (Terminal Type)