Phase Monitoring Relays   multicomp PRO

RoHS Compliant

Features

- Compact 17.5 mm Wide
- Multi Voltage: Three Phase 3 Wire @ 208-480V AC and Three Phase 4 Wire @ 120-277V AC
- Can be configured for 3 Phase 3 Wire or 3 Phase 4 Wire system
- Protection against Phase loss, Phase Reverse, Phase Asymmetry, Under Voltage & Over Voltage
- Selectable Under Voltage / Over Voltage, Asymmetry and Phase Sequence
- LED Indication for all Faults & for change in settings during runtime for better security
- Adjustable ON/OFF Time Delay in seconds / minutes
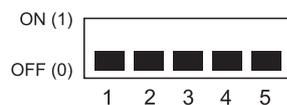- 1 C/O Configuration

Specification

Part Number		MP008397
Parameters		
Supply Voltage		208 to 480V AC (3P,3W) 120 to 277V AC (3P,4W)
Supply Variation		±23%
Frequency		50/60 Hz
Reference Voltage		Settable
Trip Settings	Phase Loss	Yes
	Phase Sequence	Yes
	Phase Asymmetry	10% Fixed
	Under Voltage	2% to 22%
	Over Voltage	2% to 22%
	Hysterisis (Phase Asy.)	2.7% Fixed
	Hysterisis (UV/OV)	2% Fixed
Power Consumption (Max.)		16 VA @ 415V AC
Time Delay	ON Delay	(0 to 15 Sec) selectable / 5 sec (selectable DIP switch)
	Trip Time (OFF Delay)	5 sec / (0 to 15 Sec) selectable (selectable DIP switch)
		100ms max for Phase loss & Phase Sequence
Output	Relay Output	1 C/O
	Contact Rating	5A @ 250V AC / 30V DC (Resistive)
	Electrical Life	1×10^5
	Mechanical Life	3×10^6
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A
	DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A

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LED Indications on front plate	Power ON	Respective fault condition will be indicated by LED immediately & Relay will be tripped after specified trip time only.
		Power LED/RV (Green)
		ON
	Phase reverse	ON
	Asymmetry	ON
	UV	ON
	OV	ON
	B Phase Loss	Slow BLINK
	Voltage Int.	OFF
	* Above mentioned LED status are considering single fault at a time. In case of multiple faults LED will glow according to their fault status.	
Operating Temperature Storage Temperature	-20°C to +60°C -25°C to +70°C	
Humidity (Non Condensing)	95% (Rh)	
Enclosure	Flame Retardant UL94-VO	
Dimension (W × H × D)	17.5mm × 90mm × 65.5mm	
Weight (unpacked)	72 g	
Mounting	Base / DIN rail	
Degree of Protection	IP 20 for Terminal, IP 40 for Enclosure	

Selection of Function: Operating Mode & timing can be selected by using DIP switches
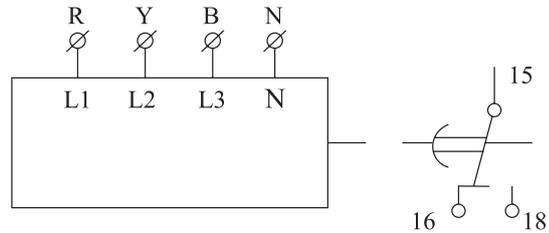
DIP SWITCH SELECTION

```
ON (1)
        ┌──────────────────┐
        │ ■  ■  ■  ■  ■ │
OFF (0) └──────────────────┘
          1  2  3  4  5
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1 2 3	Ph - Ph (VAC)	Ph - N (VAC)
1/0	480	277
1/0	440	256
1/0	415	240
1/0	400	230
1/0	380	220
1/0	240	139
1/0	220	127
1/0	208	120

4	Delay
1/0	Settable OFF Delay Fix ON Delay
1/0	Settable ON Delay Fix OFF Delay

5	Supply Type
1/0	Ph - Ph
1/0	Ph - N

Connection Diagram

R   Y   B   N

L1   L2   L3   N

15

16   18

MP008397

Part Number Table

Description	Part Number
Phase Loss, Phase Sequence Monitoring, Phase Asymmetry	MP008397

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