Voltage Monitoring Series SM 500

- · Protects against Phase Loss, Phase Reversal & Phase Asymmetry
- Can be configured for 3 Phase 4 Wire or 1 Phase system
- · Selectable Over Voltage / Under Voltage Trip level
- · Selectable Time Delay
- · LED Indications for Power and Fault conditions
- · Voltage Sensing principle
- 1 C/O or 2 C/O Configuration



Ordering Information

Cat. No.	Description
MD71BH	240 VAC, UV / OV with Selectable ON Delay (0.5 to 15 sec), 1 C/O
MD71BF	240 VAC, UV / OV with Selectable OFF Delay (0.5 to 15 sec), 1 C/O
MD71B9	240 VAC, UV / OV with Selectable ON Delay (0.5 s to 15 min), 1 C/O

Voltage Monitoring Series SM 500



Cat. No.			MD71BH	MD71BF	MD71B9		
Parame	ters						
Supply Voltage (中)			240 VAC (1 Phase & 3 Phase, 4 Wire)				
Frequency			50/60 Hz				
Power C	Consumption ((Max.)	4 VA				
Trip Settings	Phase Loss		Yes	Yes	Yes		
	Phase Sequence		N.A	N.A	N.A		
	Phase Asymmetry		N.A	N.A	N.A		
	Under Voltage		55% to 95% (of 中)				
	Over Voltage		105% to 125% (of中)				
Time	ON Delay		0.5 to 15 s (Selectable)	5 s	0.5 s to 15 min (Selectable)		
Delay	Trip Time (C	FF Delay)	5 s	0.5 to 15 s (Selectable)	5 s		
	Relay Outpu	ut	1 C/O				
Outrout	Contact Rating		5A @ 250 VAC / 28 VDC (Resistive)				
Output	Electrical Life		1X10 ⁵				
	Mechanical Life		3X10 ⁶				
Utilization Category AC - 15 DC - 13		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				
LED Indication			Separate indications for Power ON, UV and OV				
Operating Temperature Storage Temperature		re	-15° C To + 55° C -25° C To + 70° C				
Humidity (Non Condensing)		nsing)	95% (Rh)				
Enclosure			Flame Retardant UL 94-V0				
Dimension (W x H x D) (in mm)) (in mm)	36 X 60 X 90				
Weight (unpacked) Approx.		oprox.	120 g				
Mounting			Base / DIN rail				
Degree of Protection			IP 20 for Terminals, IP 40 for Enclosure				
Certification			CE VROLES Compliant				

N A	1 /	F	R A	0

Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR 14-1

Environmental

Cold Heat	IEC 60068-2-1
Dry Heat	IEC 60068-2-2
Vibration	IEC 60068-2-6
Repetitive Shock	IEC 60068-2-27
Non-Repetitive Shock	IEC 60068-2-27

Note: 1) Voltage setting is with respect to Neutral. Voltage Setting Accuracy: ± 5 % of Full Scale; Time Setting Accuracy: ± 10 % of Full Scale