

Supply Monitoring Series SM 175

- Compact 17.5 mm wide
- Multi-voltage from 3 x 208 to 3 x 480 V
- Controls correct sequence of three phases & own supply voltage
- LED indication for all faults & for change in settings during run time for better security
- 1 C/O configuration



Cat. No.					MG21DH	
Parameters						
Supply Voltage Un		3 Phase 3 Wire, 208 - 480 VAC, 45 - 65 Hz				
Supply Variation		-12% to + 10%				
Power Consumption		3 VA				
Settable Nominal Voltage (Un)				208 - 220 - 380 - 400 - 415 - 440 - 480 VAC		
Trip Levels :	Under Voltage					
	Over Voltage					
	Asymmetry					
Setting Accuracy		+/- 5% of full scale				
Time Delay	ON Delay				0.5 to 100 s	
Setting Accuracy: +/- 10% of Full Scale	OFF Delay				5 s (Fixed)	
		In the event of phase sequence or phase loss fault, OFF delay is ~100ms				
Relay Output		1 C/O (SPDT)				
Contact Rating		5A (Resistive) @ 250 VAC / 30 VDC				
Mechanical Life		3 x 10 ⁶ Operations				
Electrical Life		1 x 10 ⁵ Operations				
Utilization Category	AC - 15	Rated Voltage (Ue): - 120/240 V, Rated Current (Ie) :- 3/1.5 A				
	DC - 13	Rated Voltage (Ue): - 24/125/250 V, Rated Current (Ie) :- 2/0.22/0.1 A				
Operating Temperature		- 15° C to +60° C				
Storage Temperature		- 20° C to +70° C				
Humidity (Non Condensing Limits)		Max. 95%				
LED Indications	Relay (R)	Healthy			Power LED Continuous ON (Green Colour)	
		Phase Reverse			Power LED Flashing (Green Colour)	
		Asymmetry			N A	
	OV				OV - Red Colour LED ON	
	UV				UV - Red Colour LED ON	
	AS		N A			AS-Red Colour LED ON
	All LEDs	OFF Flashing	Phase Fail			
					Un Pot changed in running conditions	
Degree of Protection		Terminals - IP 20, Housing - IP 30, Pollution Degree - 2				
Dimension (W x H x D)		18 X 90 X 59 (in mm)				
Weight		70 g (unpacked)				
Mounting		Base / DIN rail				
Certification		CE  ,IEC 60255				
EMI/ EMC						
Radio Interference Suppression		CISPR 14-1 Class B				
ESD		IEC 61000-4-2 Level III				
Electrical Fast Transients		IEC-61000-4-4 Level IV				
Surges		IEC-61000-4-5 Level IV				
Voltage Dips, Interruptions		IEC-61000-4-11 All 7 Levels				
Isolation		Test voltage between input & output - IEC 60255-5, 2kV				

ORDERING INFORMATION

Cat. No.	Description
MG21DH	Phase Sequence, Asymmetry & Voltage Monitoring with Fixed OFF Delay (5 s), 1 C/O