

# 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



<b>Cat. No.</b>			<b>MG21DH</b>
<b>Parameters</b>			
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		-5% to -25% (Un)
	Over Voltage		+5% to +25% (Un)
	Asymmetry		10% Fixed
Setting Accuracy	+/- 5% of full scale		
Time Delay Setting Accuracy: +/- 10% of Full Scale	ON Delay		0.5 to 100 s
	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 <sup>6</sup> Operations		
Electrical Life	1 x 10 <sup>5</sup> 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
All LEDs	OFF	Phase Fail	AS-Red Colour LED ON
	Flashing		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