



### Product Overview

The AX-SM500-MG73. These Supply monitoring relays have LED indication of all standard parameters. The units are designed for 3phase 4 wire 240Vac or for single phase 240Vac and have two change over contacts (DPDT). The unit are designed for DIN rail mounting

### Features

- 36 mm width
- Three phase or single phase 240Vac
- LED indication of all faults

### Product Specification

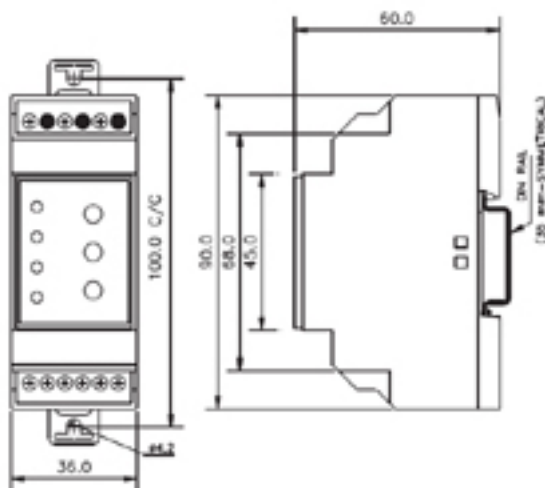
<b>Supply Voltage:</b>		3 phase 4 wire 240Vac 48/63Hz		
		1 phase 240Vac		
<b>Power Consumption:</b>		5VA		
<b>Trip Settings:</b>	Under Voltage	55% to 95% of Un		
	Over Voltage	105% to 125% of Un		
	Phase-Phase Unbalanced (Asy)	10%		
	Phase reverse detect	Yes		
	Hysteresis	7V +/- 2V of trip voltage (factory set)		
		NB voltage setting is with respect to neutral		
<b>Time Delays:</b>		<b>MG73B9</b>	<b>MG73BH</b>	<b>MG73BF</b>
	<b>ON Delay</b>	0 to 15min (adj)	0 to 15sec (adj)	5sec fixed
	<b>OFF Delay</b>	5 sec fixed	5 sec fixed	0 to 15 sec (adj)
<b>Setting Accuracy:</b>		+/- 10% of full scale		
<b>Relay Output:</b>		2 x C/O DPDT		
<b>Switching Contacts</b>		5A @250Vac/28Vdc resistive		
<b>LED Indication:</b>	ON	Power On		
	UV	Under Voltage		
	OV	Over Voltage		
	<b>BLINK/ON LED</b>	ON	Phase Reverse	
		BLINK	Phase Unbalance (Asy)	
<b>Protection:</b>		IP40 enclosure IP20 terminals		
<b>Mounting:</b>		DIN		
<b>Dimensions:</b>		36 x 90 x 60 mm		
<b>Weight:</b>		120 gms		
<b>Terminals:</b>		Terminals for 0.5 to 2.5mm <sup>2</sup> cable		
<b>Ambient Range:</b>		-15 to +60°C	10 to 95% RH non condensing	
<b>Approvals:</b>		CE, IEC60255		
<b>EMI/EMC:</b>		IEC 61000-4-2 level 111,		
		IEC 61000-4-4 level 1V,		
		IEC 61000-4-5 level 1V,		
		IEC 61000-4-11,		

## Order Codes

- AX-SM500-MG73B9** 3 Phase 4 wire UV/OV & single phasing protection  
c/w adjustable 0 to 15min ON delay time 2 x C/O
- AX-SM500-MG73BH** 3 Phase 4 wire UV/OV & single phasing protection  
c/w adjustable 0 to 15sec ON delay time 2 x C/O
- AX-SM500-MG73BF** 3 Phase 4 wire UV/OV & single phasing protection  
c/w adjustable 0 to 15sec OFF delay time 2 x C/O

## MOUNTING DIMENSION (mm)

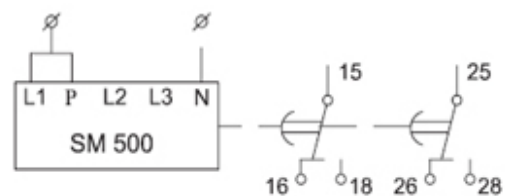
MG73B9 MG73BH MG73BF



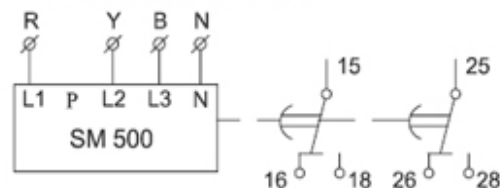
## CONNECTION DIAGRAM

MG73B9 MG73BH MG73BF

### SINGLE PHASE APPLICATION

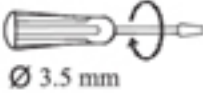



### THREE PHASE APPLICATION



## TERMINAL TORQUE & CAPACITY

MG73B9 MG73BH MG73BF

 Ø 3.5 mm	Torque 0.54 N.m (5 Lb. in) Terminal Screw - M 2.5
	1 x 0.2 - 3.3 mm <sup>2</sup> Solid Wire / single wire ferrule 2 x 0.2 - 1 mm <sup>2</sup> Insulated with twin ferrule
AWG	1 x 24 to 12