

EA63-2.5S

Self Excited Automatic Voltage Regulator Sensing 400VAC

Features

- $\pm 1\%$ Regulation
- Economical Compact Design
- For use in 50/60 Hz Brushless Generators
- EMI Suppression
- Under Frequency Protection
- 400 VAC Optional
- Built-in High Breaking Capacity Fuse



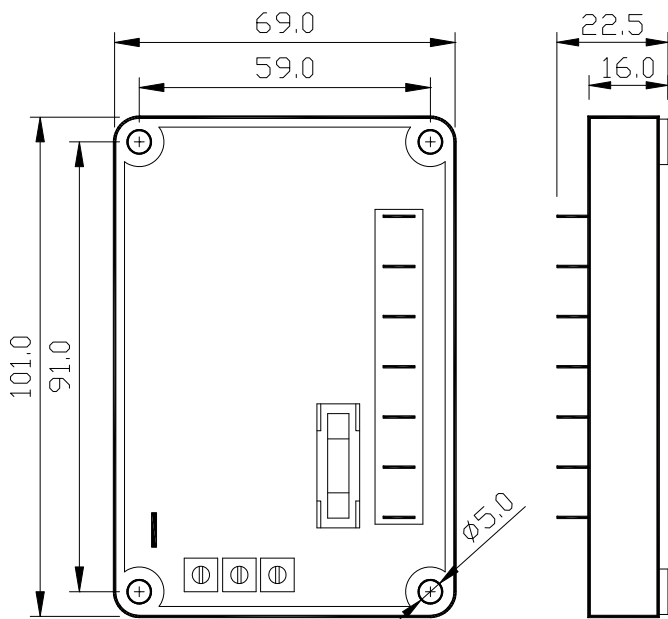
Specifications

Sensing	Voltage	220 VAC (165~ 260 VAC) 400 VAC (320~ 530 VAC) 1 phase 2 wire	Voltage Regulation	<math>< \pm 1\%</math> (within 4% engine governing)
	Power	Voltage	120 ~ 260 VAC 1 phase 2 wire	Voltage Build-up
	Frequency	45 ~ 65 Hz	External Volts Adjustment	$\pm 15\%$ with 5K Ω , 2 watt trimmer
Output	Voltage	Max. 50 VDC @ 120 VAC input Max. 63 VDC @ 240 VAC input	Thermal Drift	0.05% per $^{\circ}\text{C}$ change in AVR ambient
	Current	Continuous 2.5A Intermittent 4A for 60 sec.	Unit Power Dissipation	Max. 10 Watt
	Resistance	Min. 25 Ω	EMI Suppression	Internal Electromagnetic Interference Filtering
			Under Frequency Protection	Knee point adjustable range 45 ~ 55 Hz

Environment

Vibration	1.5G @ 5 ~ 30 Hz 5.0G @ 30 ~ 500 Hz	Relative Humidity	< 95%
Operating Temperature	-40 ~ 60 $^{\circ}\text{C}$	Storage Temperature	-40 ~ 85 $^{\circ}\text{C}$

Mechanical Specifications



AVR Controls Functions

VOLT	Voltage Adjustment
U/F	U/F* Knee Point Set
STAB.	Stability Adjustment
*U/F: Under Frequency protection	

Physical Specifications

Dimensions	101.0 (L) x 69.0 (W) x 22.0 (H) mm
Weight	107 g $\pm 2\%$
Shock	Withstands up to 20G in each X, Y, Z axes