

EA05AF

Universal Automatic Self Excited 5 Amp Full Wave Voltage Regulator

Compatible with Onan® VR21 series regulators

*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

Features

- Voltage Regulation $< \pm 1\%$
- 220 VAC Full Wave Rectifier
- Max. Output Voltage > 170 VDC
- Under Frequency Protection
- Soft Start Voltage Ramping
- Under Frequency Protection
- Built-in High Breaking Capacity Fuse



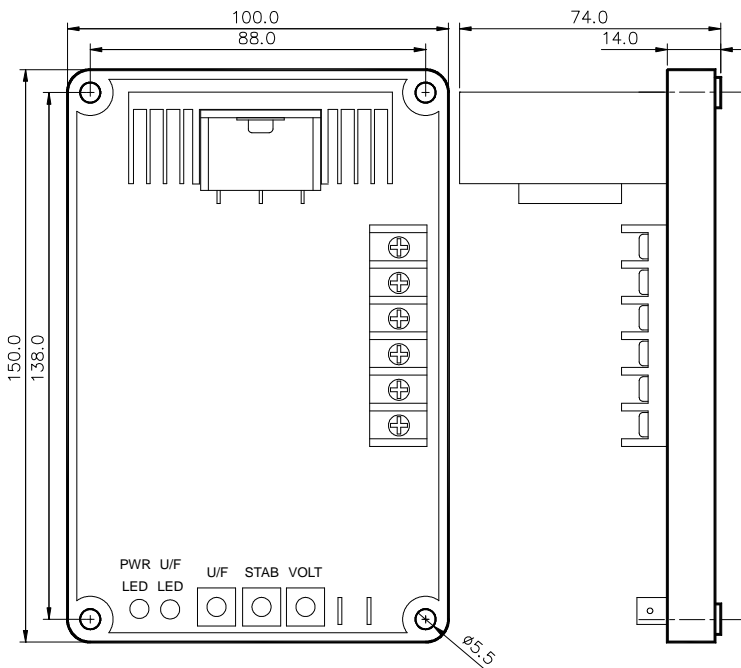
Specifications

Sensing & Power	Voltage	160~260 VAC 1 phase 2 wire	Voltage Build-up	Residual volts at AVR terminal > 5 VAC
Input	Frequency	50/60 Hz selectable	External Volts Adjustment	$\pm 10\%$ with 5 K Ω 1 watt trimmer
Output	Voltage	Max. 170 VDC @ 240 VAC input	Unit Power Dissipation	Max. 8 watt
	Current	Continuous 5A Intermittent 7A for 10 sec.	Soft Start Ramp Time	2 sec.
	Resistance	Min. 15 Ω Max. 100 Ω	Thermal Drift	0.03% per $^{\circ}\text{C}$ change in AVR ambient
Volts Regulation	$< \pm 1\%$ (with 4% engine governing)		Under Frequency Protection (Factory Settings)	60 Hz system presets knee point at 55 Hz 50 Hz system presets knee point at 45 Hz

Environment

Operation Temperature	-40~65 $^{\circ}\text{C}$	Relative Humidity	Maximum 95%
Storage Temperature	-40~80 $^{\circ}\text{C}$	Vibration	3.3G @ 100~2 KHz

Mechanical Specifications (Unit : mm)



AVR Control Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F*1	To Set the U/F Knee Point

*1 U/F : Under Frequency Protection

Physical Specification

Dimensions	150.0 (L) x 100.0 (W) x 74.0 (H) mm
Weight	421 g $\pm 2\%$