

EA15A3H

Universal 15 Amp 1/2 Wave Self Excited 3 Phase Voltage Sensing Automatic Voltage Regulator

*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 $\lt; \pm 0.5\%$
- 220 / 380 / 440 VAC Input Voltage Sensing
- 3 Phase Sensing
- High 15A Output Current
- 50/60 Hz Under Frequency Protection
- Soft Start Ramping
- Built-in High Breaking Capacity Fuse



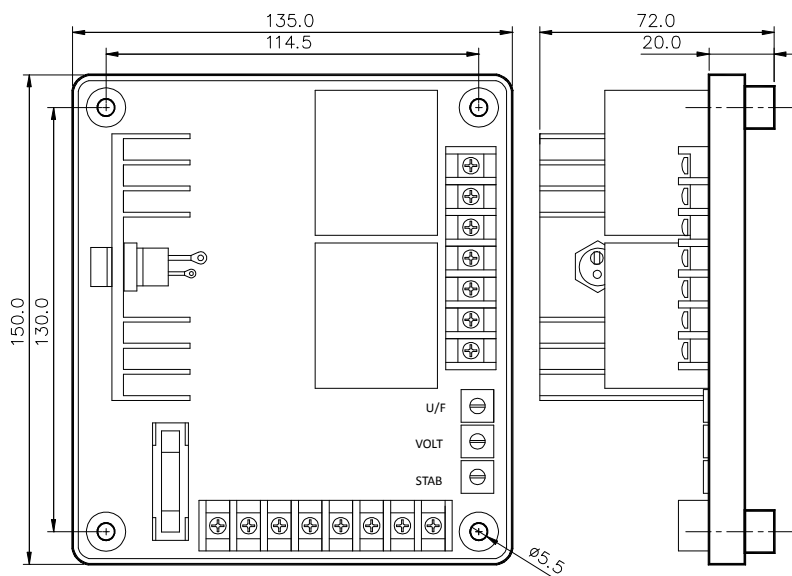
Specifications

Sensing Input	Voltage 220/380/440 VAC 3 phase 3 wire Frequency 50/60 Hz selectable	Voltage Build-up	Residual volts at AVR terminal > 5 VAC
Power Input	Voltage 100~300 VAC 1 phase 2 wire	External Volts Adjustment	$\pm 15\%$ with 1 K Ω 1 watt trimmer
Output	Voltage Max. 90 VDC @ 240 VAC input Current Continuous 15A Intermittent 20A for 10 sec. Resistance Min. 4 Ω @ 35 volts output	Unit Power Dissipation	Max. 8 watt
Volts Regulation	$\lt; \pm 0.5\%$ (with 4% engine governing)	Soft Start Ramp Time	2 sec.
		Thermal Drift	0.03% per $^{\circ}\text{C}$ change in AVR ambient
		Under Frequency Protection (Factory Setting)	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	-40~85 $^{\circ}\text{C}$	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 135.0 (W) x 72.0 (H) mm
Weight	867 g $\pm 2\%$