

EA04A

Self Excited Automatic Voltage Regulator

Direct Replacement for Basler VR63-4 and VR63-4A regulator

Features

- Voltage regulation less than +/-1%
- For use in 50/60 Hz brushless generators
- Optional 120/240 Vac sensing voltage switch *1
- Under frequency & over excitation protection
- EMI suppression
- Built-in high breaking capacity fuse *1
- Use with KUTAI EP200 Paralleling Module for parallel operation

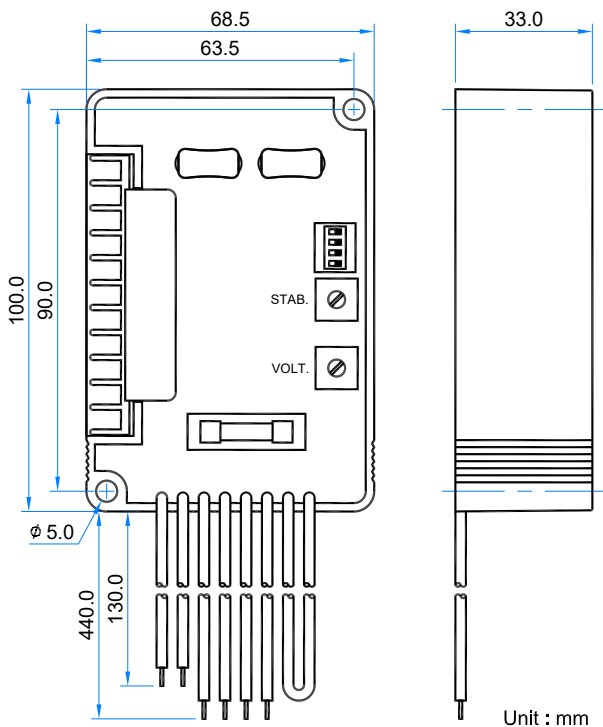
*1 Basler model VR63-4A only fits 120 Vac generators, and Basler model VR63-4 only fits 240 Vac generators respectively, and both original Basler models do not have fuse protection.



Specifications

Sensing Input	Voltage 90 to 132 or 171 to 264 Vac 1 phase	Build Up Voltage	5Vac residual volts at power input terminal
	Frequency 45/65 Hz DIP switch setting	EMI Suppression	Internal electromagnetic interference filtering
Power Input	Voltage 90 to 240 Vac 1 phase 2 wires	Static Power Dissipation	Max. 8 watts
	Frequency 45/65 Hz	Under Frequency Protection (Factory Presets)	
Excitation Output	Voltage Max. 32 Vdc @ power input 120 Vac		50 Hz system presets knee point at 45 Hz
	Max. 63 Vdc @ power input 240 Vac		60 Hz system presets knee point at 55 Hz
	Current Continuous 4A Intermittent 7A for 60 seconds	Over Excitation Shutdown	Field volts shut down after a time delay if exciter field volts exceed 100 +/-5 Vdc
	Resistance Min. 15 ohms Max. 100 ohms	Voltage Thermal Drift	Less than 3% at -40 to +70 °C
External Volts ADJ	Max. +/-15% @ 1K ohm 1 watt potentiometer		
Volts Regulation	Less than +/-1% (with 4% engine governing)		

Dimensions



AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment

Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 90%
Vibration	1.5 Gs @ 5 to 30 Hz 5.0 Gs @ 30 to 500 Hz

Physical Specifications

Dimensions	100.0 (L) x 68.5 (W) x 33.0 (H) mm
Weight	230 g +/-2%

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



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