

# EA04A

## Self Excited Automatic Voltage Regulator Compatible With Basler\* Models VR63-4 & VR63-4A

### Features

- $< \pm 1\%$  Regulation
- For Use In 50/60 Hz Brushless Generators
- Optional 120/240 VAC\*\* Sensing Voltage Switch
- Under Frequency & Over Excitation Protection
- EMI Suppression
- Built-in High Breaking Capacity Fuse\*\*

\* Use for reference only, not a genuine Basler product

\*\* 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

<b>Sensing &amp; power Input</b>	Voltage	120 (90 ~ 132) / 240 (171 ~ 264)	<b>Thermal Drift</b>	0.05% per °C change in AVR ambient
		Dip switch selectable	<b>External Volts Adjustment</b>	$\pm 15\%$ with 1K $\Omega$ 1 watt trimmer
	Frequency	50 / 60 Hz selectable	<b>EMI Suppression</b>	Internal electromagnetic interference filtering
<b>Output</b>	Voltage	Max. 32 VDC @ 120 VAC input	<b>Unit Power Dissipation</b>	Max. 8 watt
		Max. 63 VDC @ 240 VAC input	<b>Under Frequency Protection (Factory Setting)</b>	60 Hz system presets knee point at 55 Hz 50 Hz system presets knee point at 45 Hz
	Current	Continuous 4A Intermittent 7A for 60 sec.	<b>Over Excitation Shutdown</b>	Field volts shut down after a time delay if exciter field volts exceed 100 $\pm 5$ VDC.
<b>Voltage Build-up</b>		Residual voltage at AVR terminal > 5 VAC		

### Environment

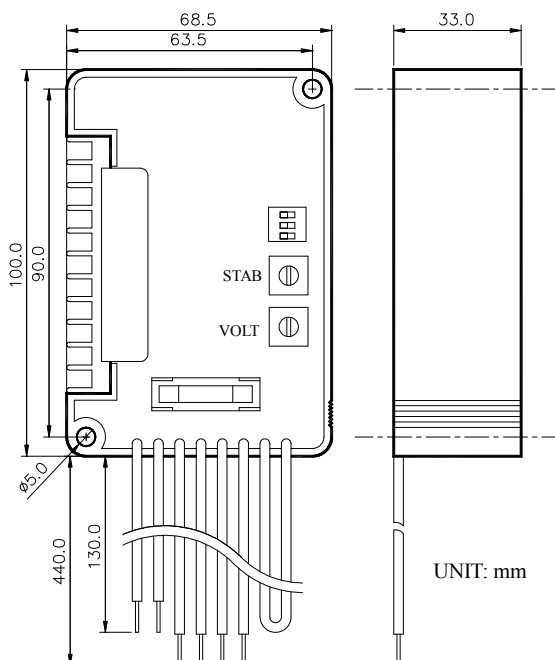
**Vibration** 1.5G @ 5 ~ 30 Hz 5.0G @ 30 ~ 500 Hz

**Relative Humidity** < 95%

**Operating Temperature** -40 ~ 60 °C

**Storage Temperature** -40 ~ 85 °C

### Mechanical Specifications



#### AVR Controls

VOLTS	Voltage Adjustment
STAB	Stability Adjustment

#### Physical Specifications

Dimensions	100.0 (L) x 68.5 (W) x 33.0 (H) mm
Weight	230 g $\pm$ 2%

Please link to <http://www.kutai.com.tw> for detailed manual.