

# EA04C

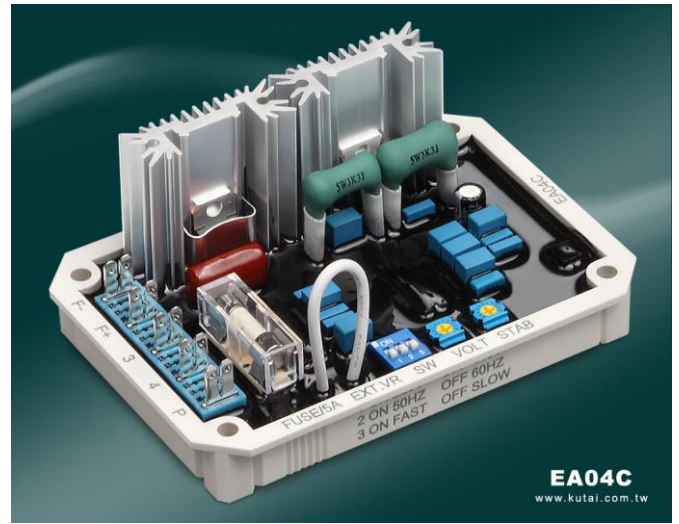
## Self Excited Automatic Voltage Regulator 63 Vdc 4 Amp

Sensing Input 160-265 Vac / 300-550 Vac 50 / 60 Hz

Compatible with Basler\* VR63-4C regulator

### Features

- Voltage regulation < +/- 1%
- Sensing input 160-265 Vac / 300-550 Vac 50Hz / 60Hz
- For use in 50Hz / 60Hz brushless generator
- Under frequency & over excitation protection
- EMI suppression
- Built-in high breaking capacity fuse

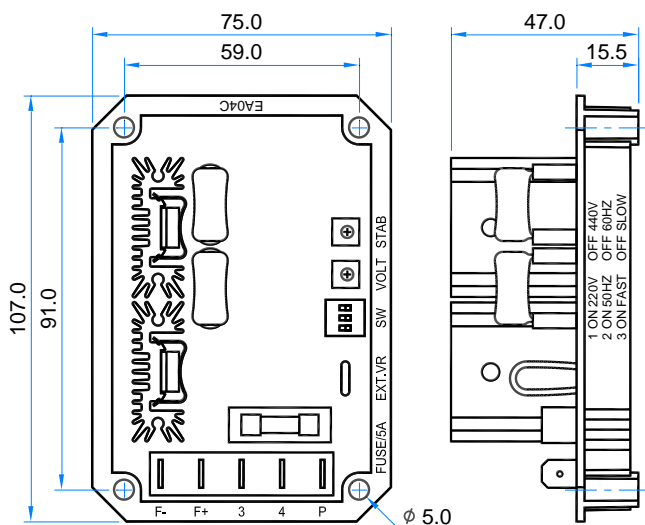


\*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

### Specifications

<b>Sensing Input</b>	Voltage	160-265 Vac / 300-550 Vac	<b>Unit Power Dissipation</b>	Max. 8 watts
		single phase	<b>External Volts Adjustment</b>	+/- 15% with 1K ohm 1 watt trimmer
	Frequency	50Hz / 60Hz selectable	<b>Over Excitation Shutdown</b>	
<b>Power Input</b>	Voltage	90-240 Vac single phase		Field volts shut down after a time delay if exciter
<b>Output</b>	Voltage	Max. 63 Vdc @ 240 Vac input		field volts exceed 100 +/- 5 Vdc
	Current	Continuous 4A	<b>Under Frequency Protection (Factory Knee Point Setting)</b>	
		Intermittent 7A for 60 sec.		50Hz system presets knee point at 45Hz
	Resistance	Min. 15 ohms Max. 100 ohms		60Hz system presets knee point at 55Hz
<b>Volts Regulation</b>		< +/- 1% (with 4% engine governing)	<b>Environment</b>	Operation Temperature -40 - +60 °C
<b>Build Up Voltage</b>		Residual volts at AVR terminal > 5 Vac		Storage Temperature -40 - +85 °C
<b>Voltage Thermal Drift</b>		0.05% per °C change in AVR ambient		Relative Humidity Max. 95%
<b>EMI Suppression</b>		Internal electromagnetic interference filtering		Vibration 1.5Gs @ 5-30Hz
				5.0Gs @ 30-500Hz

### Mechanical Specifications



Unit : mm

### AVR Control Function

<b>VOLT</b>	Voltage adjustment
<b>STAB</b>	Stability adjustment
<b>SW</b>	Voltage or frequency selectable
<b>VAR</b>	Ex. VR

### Physical Specification

<b>Dimension</b>	107.0 (L) x 75.0 (W) x 47.0 (H) mm
<b>Weight</b>	175 g +/- 2%