

# EA04C

## Self Excited Automatic Voltage Regulator Sensing Input 160~265 VAC / 300~550 VAC 50/60 Hz

Compatible with Basler\* VR63-4C 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  $< \pm 1\%$
- Sensing Input 160~265 VAC / 300~550 VAC 50/60 Hz
- For Use in 50/60 Hz Brushless Generator
- Under Frequency & Over Excitation Protection
- EMI Suppression
- Built-in High Breaking Capacity Fuse



**EA04C**  
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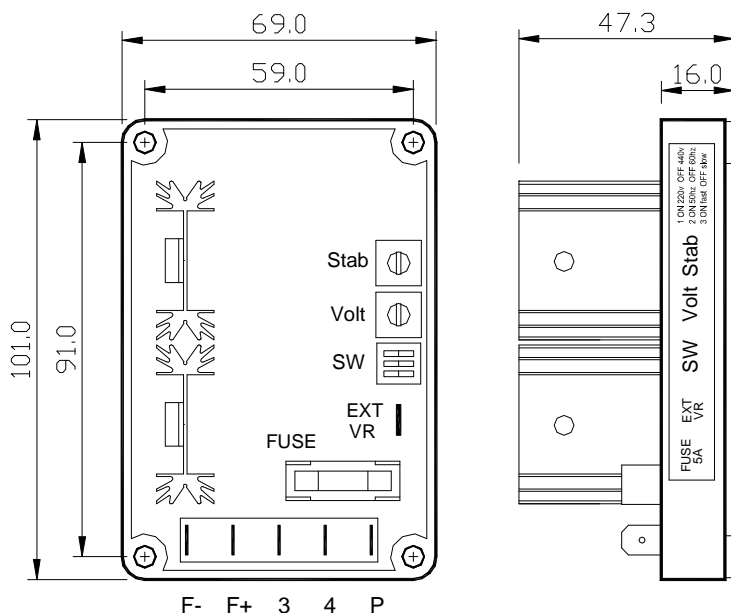
### Specifications

<b>Sensing Input</b>	Voltage	160~265 VAC / 300~550 VAC single phase	<b>Voltage Regulation</b>	$< \pm 1\%$ (with 4% engine governing)
	Frequency	50/60 Hz selectable	<b>Voltage Build-up</b>	Residual voltage at AVR terminal $> 5$ VAC
<b>Power Input</b>	Voltage	90~240 VAC single phase	<b>External Volts Adjustment</b>	$\pm 15\%$ with 1 K $\Omega$ 1 watt trimmer
	<b>Output</b>	Voltage	Max. 32 VDC @ 120 VAC input Max. 63 VDC @ 240 VAC input	<b>Unit Power Dissipation</b>
	Current	Continuous 4A Intermittent 7A for 60 sec.	<b>EMI Suppression</b>	Internal electromagnetic interference filtering
	Resistance	Min. 15 $\Omega$ Max. 100 $\Omega$	<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
			<b>Under Frequency Protection</b>	U/F Knob 43~60 Hz
			<b>Over Excitation Shutdown</b>	Field volts shut down after a time delay if exciter field volts exceed $100 \pm 5$ VDC

### Environment

<b>Operation Temperature</b>	-40~60 $^{\circ}\text{C}$	<b>Relative Humidity</b>	Maximum 95%
<b>Storage Temperature</b>	-40~85 $^{\circ}\text{C}$	<b>Vibration</b>	1.5G @ 5~30 Hz / 5.0G @ 30~500 Hz

### Mechanical Specifications (Unit : mm)



### AVR Control Function

<b>VOLT</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>HZ</b>	50/60 Hz Selectable
<b>VAR</b>	Ex. VR

### Physical Specification

<b>Dimensions</b>	101.0 (L) x 69.0 (W) x 47.3 (H) mm
<b>Weight</b>	171 g $\pm 2\%$