

# EA63-2.5

## Self Excited Automatic Voltage Regulator

Compatible with Basler\* AVC63-2.5 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  $< \pm 1\%$
- Economical Compact Design
- For Use In 50/60 Hz Brushless Generators
- EMI Suppression
- Under Frequency Protection
- 120/240 VAC Optional\*<sup>1</sup>
- Built-in High Breaking Capacity Fuse

\*1 Original Basler model AVC63-2.5 cannot be used 120V generators and do not have fuse protection.



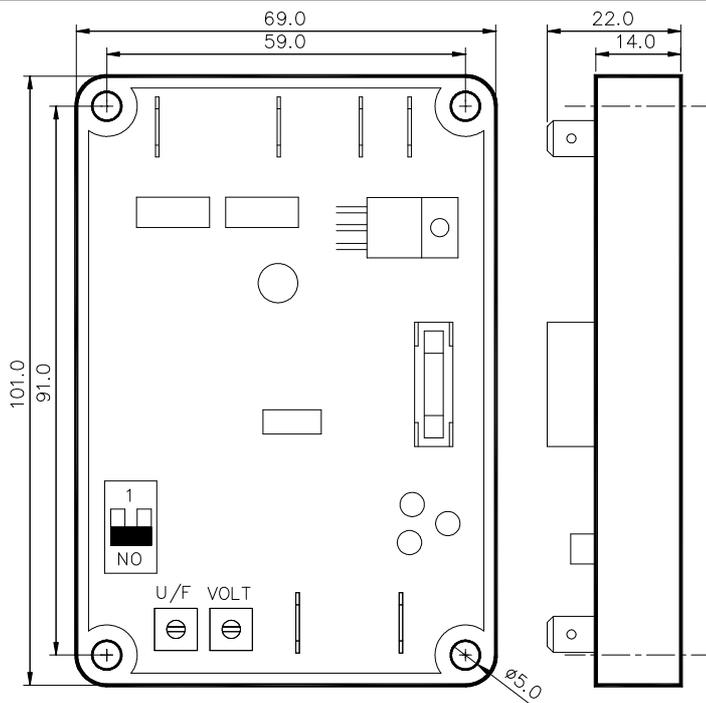
### Specifications

<b>Input</b>	Voltage	120 (90~130) / 240 (180~260) VAC	<b>Voltage Regulation</b>	$< \pm 1\%$ (within 4% engine governing)
		1 phase 2 wire DIP switch selectable	<b>Voltage Build-up</b>	Residual volts at AVR terminal $> 5$ VAC
	Frequency	45~65 Hz	<b>External Volts Adjustment</b>	$\pm 15\%$ with 5 K $\Omega$ 1 watt trimmer
<b>Output</b>	Voltage	Max. 50 VDC @ 120 VAC input Max. 63 VDC @ 240 VAC input	<b>Unit Power Dissipation</b>	Max. 10 watt
	Current	Continuous 2.5A Intermittent 4A for 60 sec.	<b>EMI Suppression</b>	Internal electromagnetic interference filtering
	Resistance	Min. 25 $\Omega$	<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
			<b>Under Frequency Protection</b>	Knee point adjustable range 45~55 Hz

### 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>U/F</b> * <sup>2</sup>	To Set the U/F Knee Point
<b>DIP</b>	110V / 220V option

\*2 U/F : Under Frequency Protection

### Physical Specification

<b>Dimensions</b>	101.0 (L) x 69.0 (W) x 22.0 (H) mm
<b>Weight</b>	107 g $\pm 2\%$
<b>Shock</b>	Withstands up to 20G in each X, Y, Z axes