

# EA63-4

## Self Excited Automatic Voltage Regulator

Compatible with Basler\* AVC63-4A 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  $< \pm 1\%$
- Under Frequency Protection
- Over Excitation Shut Down
- EMI Suppression
- Adjustable Voltage & Stability
- Built-in High Breaking Capacity Fuse



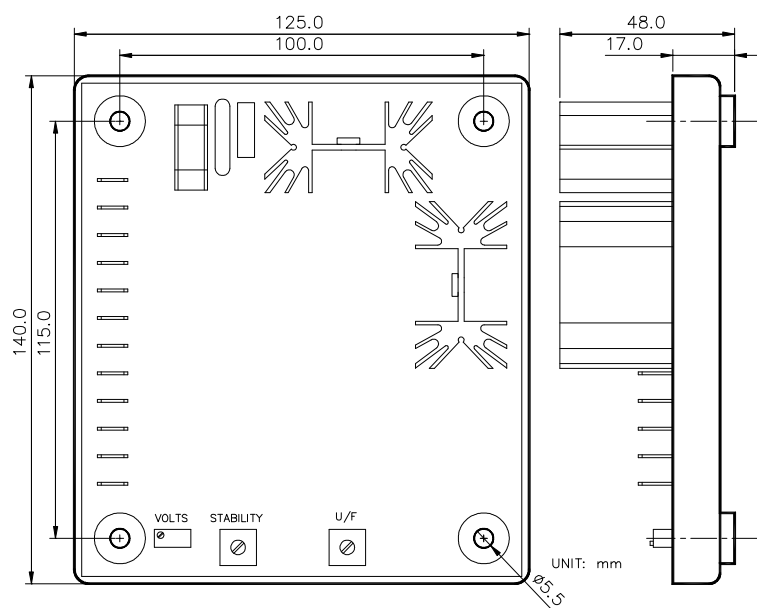
### Specifications

<b>Sensing Input</b>	Voltage	120 (90~139) / 240 (190~277) VAC	<b>Voltage Regulation</b>	$< \pm 1\%$ (within 4% engine governing)
		1 phase 2 wire	<b>Voltage Build-up</b>	Residual volts at AVR terminal $> 5$ VAC
	Frequency	50/60 Hz	<b>External Volts Adjustment</b>	$\pm 15\%$ with 10 K $\Omega$ 1 watt trimmer
<b>Power Input</b>	Voltage	95~139 VAC $\pm 10\%$ 1 phase 2 wire	<b>Unit Power Dissipation</b>	Max. 15 watt
<b>Output</b>	Voltage	Max. 63 VDC	<b>EMI Suppression</b>	Internal electromagnetic interference filtering
	Current	Continuous 4A	<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
		Intermittent 7A for 60 sec.	<b>Under Frequency Protection</b>	Knee point adjustable range 45~55 Hz
		9A for 10 sec.	<b>Over Excitation Shutdown</b>	Field volts shut down after time delay if exciter field volts exceeds 95 VDC $\pm 5\%$
	Resistance	Min. 15 $\Omega$ Max. 100 $\Omega$		

### 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 ADJ</b>	Voltage Adjustment
<b>STAB</b>	Stability Adjustment
<b>U/F</b>	To Set the U/F*1 Knee Point

\*1 U/F : Under Frequency protection

### Physical Specification

<b>Dimensions</b>	140.0 (L) x 125.0 (W) x 48.0 (H) mm
<b>Weight</b>	280 g $\pm 2\%$
<b>Shock</b>	Withstands up to 20G in each X, Y, Z axes