

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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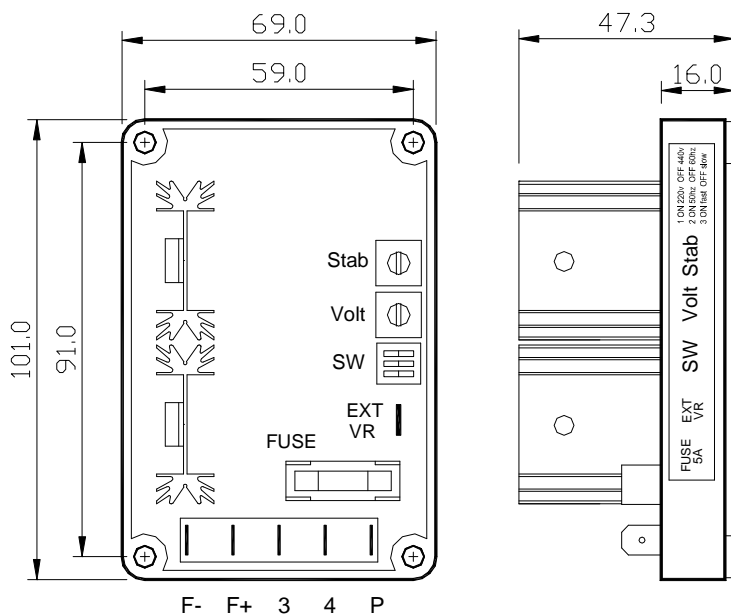
Specifications

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

Environment

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

Mechanical Specifications (Unit : mm)



AVR Control Function

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

Physical Specification

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