

EA07

Self Excited Half Wave Rectified Type Automatic Voltage Regulator

Suitable for Single or Three Phase Self Excited Brushless Generator

Maximum Output 6A

Compatible with Mecc Alte[®] Spa AVR model SR7-1^{*} and SR7-2^{*}

*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

- Wide Sensing Voltage Range 80~350 VAC
- Wide Power Input Range 80~270VAC, Accepts Power Input from Main Winding or Auxiliary Winding
- Under Frequency Protection Indication LED
- Over Excitation Protection and Indication LED
- EMI Suppression

Specifications

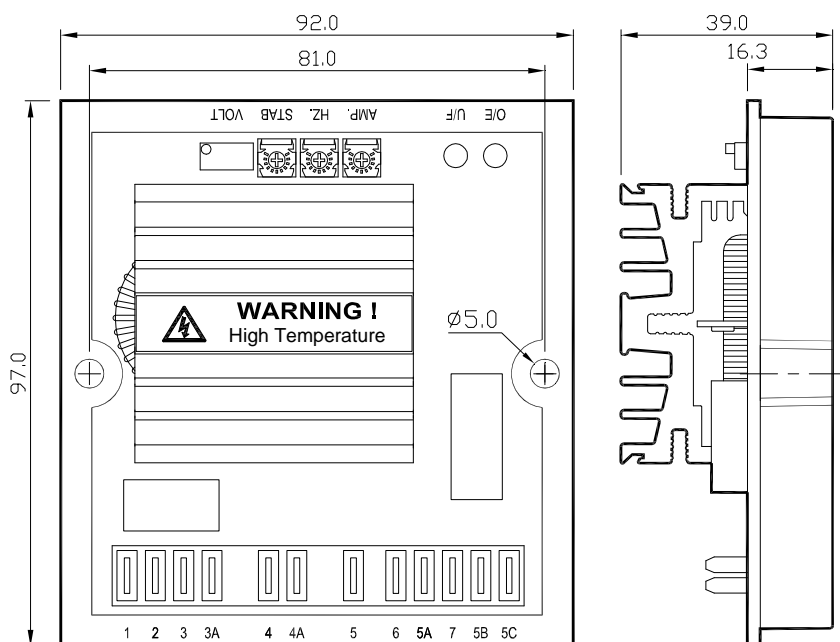
Sensing Input	80~3500 VAC Single Phase 50/60 Hz	External Volts Adjustment	100K Ω 1/2 watt \pm 5%
Power Input	50~270 VAC 50/60 Hz	Unit Power Dissipation	Max. 5 watt
Output Voltage	63 VDC @ 220 VAC Input	Under Frequency Protection	Adjustable range 42~62 Hz
Output Current	Continuous 6A, Max. Intermittent 7A for 10 sec.	Over Excitation Protection	25~55 VDC @ 0.1~20 sec.
Volts Regulation	< \pm 1% (with 4% engine governing)	EMI Suppression	Internal electromagnetic interference filtering
Voltage Build-up	Residual voltage above 5 VAC 25 Hz	Exciter Winding Resistance	DC Resistance 10~100 Ω



Environment

Operation Temperature	-40 $^{\circ}$ C~65 $^{\circ}$ C	Relative Humidity	Maximum 95%
Storage Temperature	-40 $^{\circ}$ C~80 $^{\circ}$ 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.	Under Frequency Setting
AMP.	Over Excitation Setting
U/F	Under Frequency Protection
O/E	Over Excitation Indication LED

Physical Specification

Dimensions	97.0 (L) x 92.0 (W) x 39.0 (H) mm
Weight	275 g \pm 2%



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