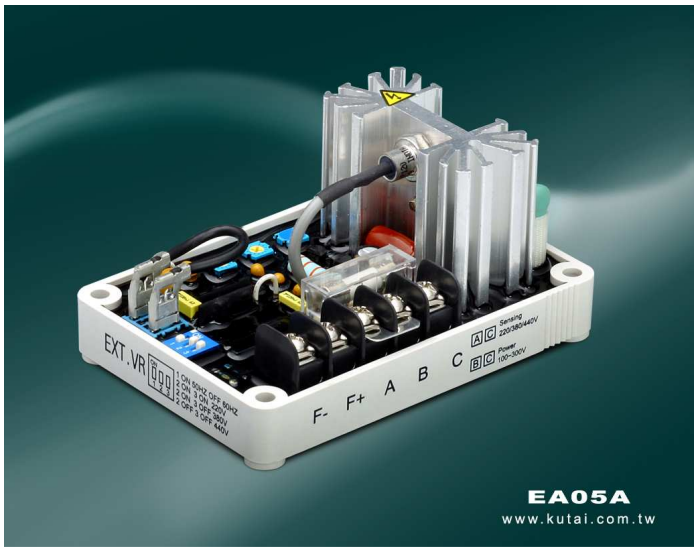
EA05A

Universal 5 Amp 1/2 Wave Self Excited Dip-Switch Programmable Automatic Voltage Regulator

Compatible with Basler* KR7, Mecc Alte* SR7-1 / SR7-2 and Marelli Motori* M16FA655A-MARK V regulators

*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 < ±0.5%
- 220 / 380 / 440 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 5 Amp Fuse

RoHS Compliant LEAD FREE

Kutai Electronics customize and manufacture **lead free** AVR according to the **RoHS** compliance. For any customized products, there is a MOQ Minimum Ordering Quantity set to meet the basic requirement for developing the customized or lead free AVR. For detail information, please contact us.

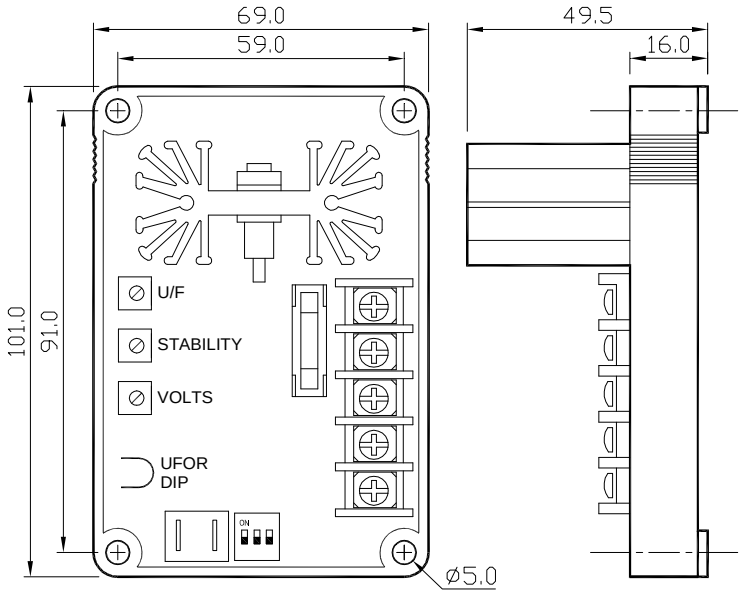
Specifications

Sensing Input	Voltage 220/380/440 VAC 1 phase 2 wire DIP switch selectable	**Voltage Build-up**	Residual volts at AVR terminal > 5 VAC
	Frequency 50/60 Hz DIP switch selectable	**External Volts Adjustment**	7% with 1 KΩ 1 watt trimmer
Power Input	Voltage 100~300 VAC 1 phase 2 wire	**Unit Power Dissipation**	Max. 8 watt
Output	Voltage Max. 90 VDC @ 240 VAC input	**Soft Start Ramp Time**	3 sec.
	Current Continuous 5A	**EMI Suppression**	Internal electromagnetic interference filtering
	Intermittent 7A for 10 sec.	**Thermal Drift**	0.03% per ℃ change in AVR ambient
	Resistance Min. 15 Ω Max. 100 Ω	**Under Frequency Protection (Factory Settings)**	60Hz system presets knee point at 55Hz 50Hz system presets knee point at 45Hz
Volts Regulation	< ±0.5% (with 4% engine governing)		

Environment

Operation Temperature	-40~70 ℃	**Relative Humidity**	Maximum 95%
Storage Temperature	-40~85 ℃	**Vibration**	3G @ 100~2 KHz

Mechanical Specifications *(Unit : mm)*



AVR Control Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F[*1]	To Set the U/F Knee Point

*1 U/F : Under Frequency Protection

Physical Specification

Dimensions	101.0 (L) x 69.0 (W) x 49.5 (H) mm
Weight	183 g ±2%