

EA15A3H

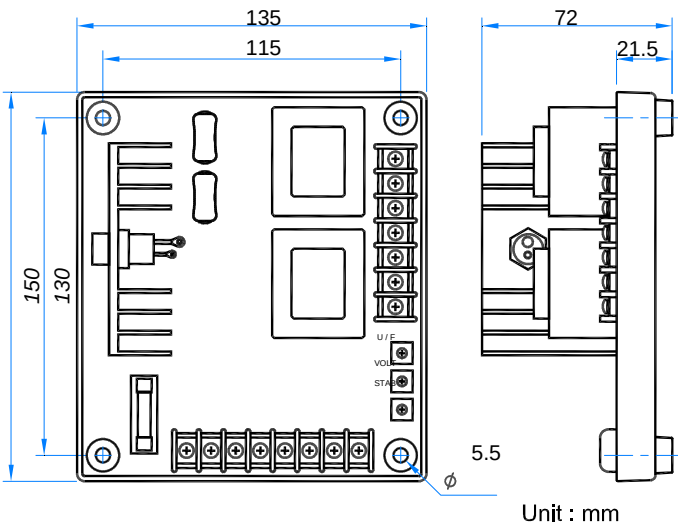
Universal 15 Amp 1/2 Wave Self Excited 3 Phase Voltage Sensing Automatic Voltage Regulator

- Voltage Regulation < +/- 0.5%
- 220/380/440 Vac input voltage sensing
- 3 phase sensing
- High 15A output current
- 50/60 Hz under frequency protection
- Soft start ramping
- Built-in high breaking capacity fuse

Specifications

| | | | |
|-------------------------|---|--|---|
| Sensing Input | Voltage - 220/380/440 Vac, 3 phase, 3 wire Frequency - 50 / 60 Hz selectable | Ext. Volts Adjustment | +/- 15% with 1K ohm 1 watt trimmer |
| Power Input | Voltage - 100-300 Vac, 1 phase, 2 wire | Unit Power Dissipation | Max. 8 watts |
| Output | Voltage - Max. 90 Vdc @ 240 Vac input Current - Continuous 15A, intermittent 20A for 10 sec. Resistance - Min. 4 ohms @ 35 volts output | Soft Start Ramp Time | 2 sec. |
| Volts Regulation | < +/- 0.5% (with 4% engine governing) | Under Frequency Protection (Factory Knee Point Setting) | |
| Build Up Voltage | Residual volts at AVR terminal > 5 Vac | 50 Hz system presets knee point at 45 Hz 60 Hz system presets knee point at 55 Hz | |
| Thermal Drift | 0.03% per °C change in AVR ambient | Environment | Operation Temperature -40 - +65 °C Storage Temperature -40 - +85 °C Relative Humidity Max. 95% Vibration 3.3Gs @ 100-2K Hz |

Mechanical Specifications



AVR Control Function

| | |
|-------------|---|
| VOLT | Voltage adjustment |
| STAB | Stability adjustment |
| U/F | Setting under frequency protection knee point |

Physical Specification

| | |
|-------------------|-------------------------------------|
| Dimensions | 150.0 (L) x 135.0 (W) x 72.0 (H) mm |
| Weight | 867 g +/- 2% |

