

**SE-1L03**  
**AUTOMATIC VOLTAGE REGULATOR**

**USER MANUAL**

# SE-1L03

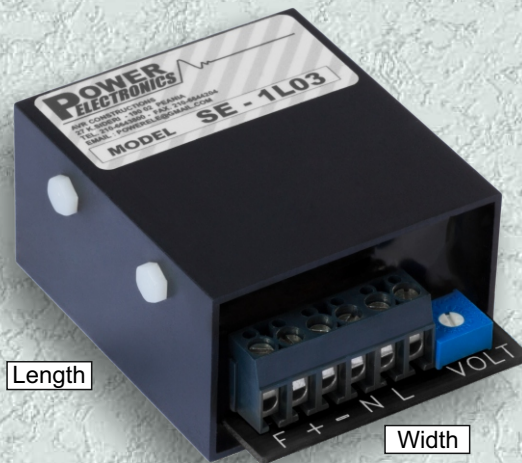
## AUTOMATIC VOLTAGE REGULATOR



The **SE-1L03** is a halfwave phase controlled thyristor type Automatic Voltage Regulator and forms part of the excitation system for a brush or brushless generator.

## TECHNICAL SPECIFICATION

- INPUT 180 - 270 V
- OUTPUT VOLTAGE 0 - 80 V DC
- FREQ. 40 - 70 Hz
- OUTPUT CURRENT 3A CONTINUOUS
- 1 PHASE+NEUTRAL
- EXC.FIELD 12 Ohms MIN
- START FROM 6V AC
- REGULATION +/- 1%
- 50/60Hz COMPATIBILITY
- OPER.TEMP +80°C MAX
- "F" TERMINAL FOR RELAY FLASH CONNECTION



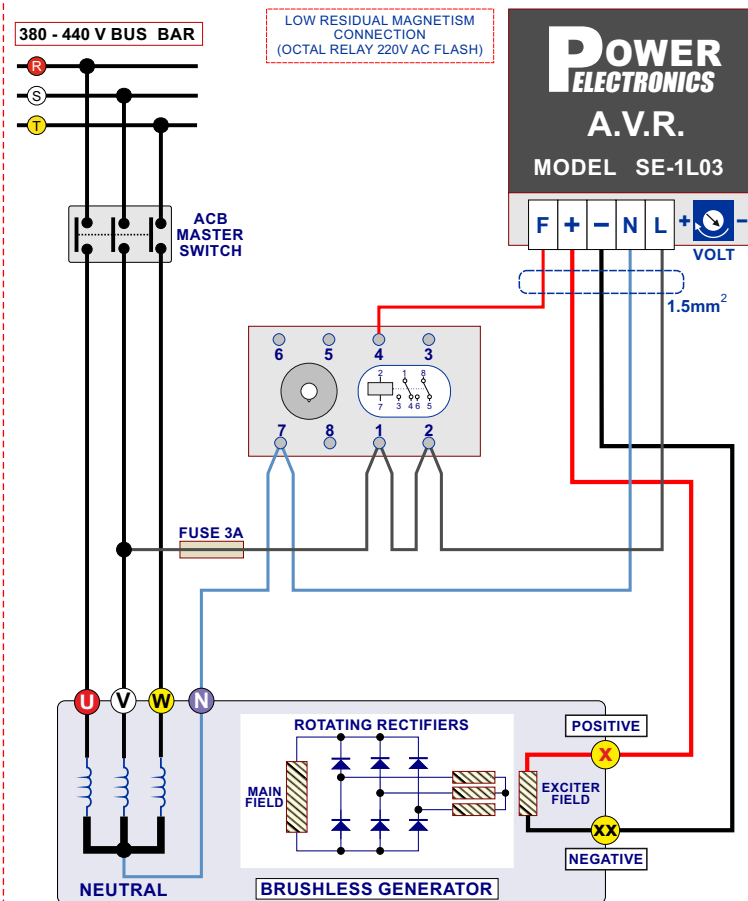
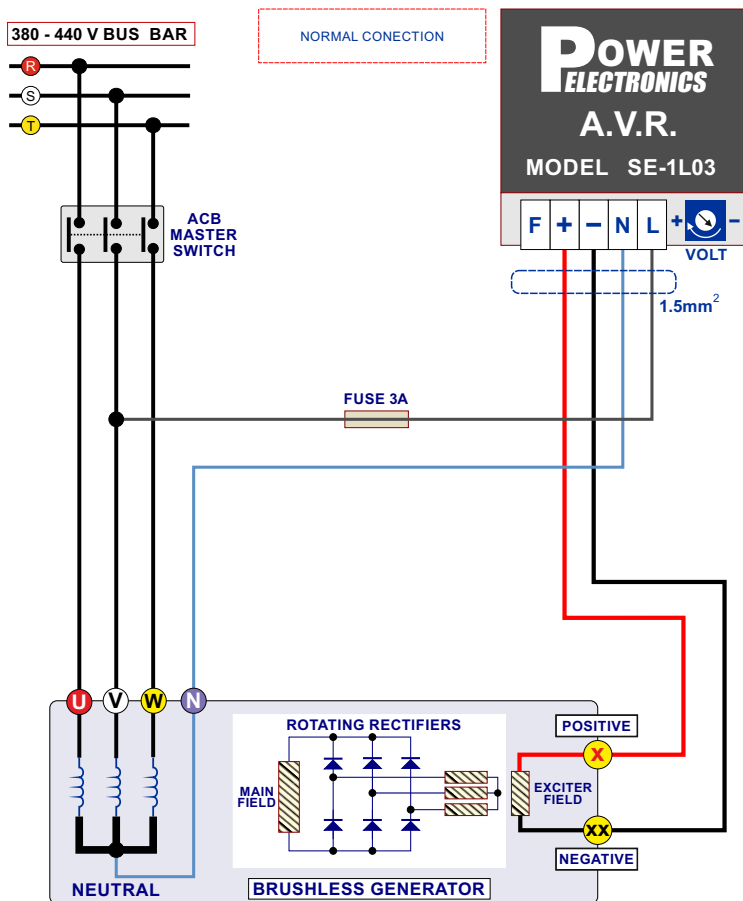
## ADJUSTMENTS

- **VOLT** for voltage output level

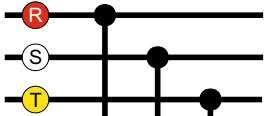
## Dimensions ( mm )

Length	Width	Height	Weight (Kg)
65	50	30	0.180

DESIGN AND MANUFACTURE BY RESEARCH TEAM OF POWER ELECTRONICS C.O. GREECE

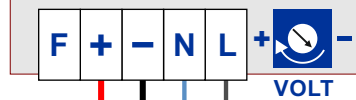


380 - 440 V BUS BAR

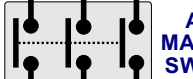


NORMAL CONNECTION

**POWER ELECTRONICS**  
**A.V.R.**  
MODEL SE-1L03



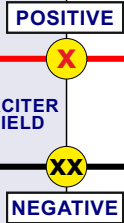
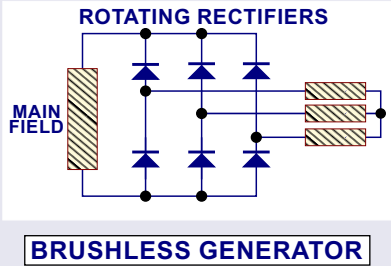
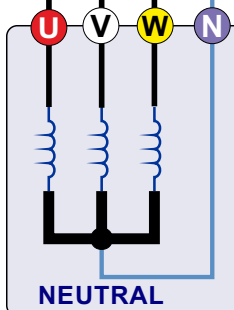
ACB MASTER SWITCH



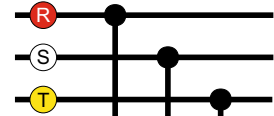
FUSE 3A



1.5mm<sup>2</sup>

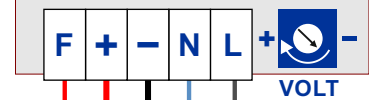


380 - 440 V BUS BAR



LOW RESIDUAL MAGNETISM CONNECTION  
(OCTAL RELAY 220V AC FLASH)

**POWER ELECTRONICS**  
**A.V.R.**  
MODEL SE-1L03



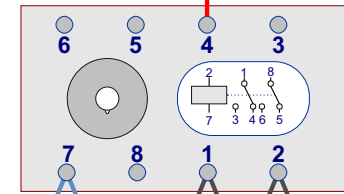
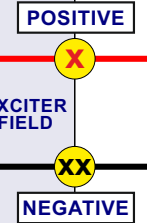
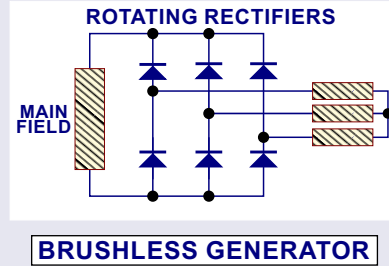
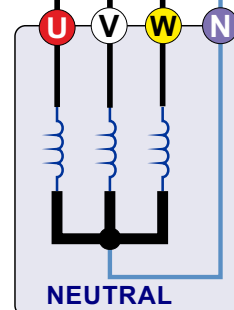
ACB MASTER SWITCH



FUSE 3A



1.5mm<sup>2</sup>



**POWER ELECTRONICS**

www.powerelectronics.gr  
powerele@gmail.com TEL. (+30210)6643800  
27 K.SIDERI, 19002, PEANIA, GREECE



**HOW TO CHOOSE THE RIGHT SCHEMATIC**  
PLEASE FOLLOW SCHEMATIC WITH 220V OCTAL RELAY  
WHEN GENERATOR HAS LOW RESIDUAL MAGNETISM  
(0V-10V) BETWEEN BUS BARS / 50HZ-60HZ