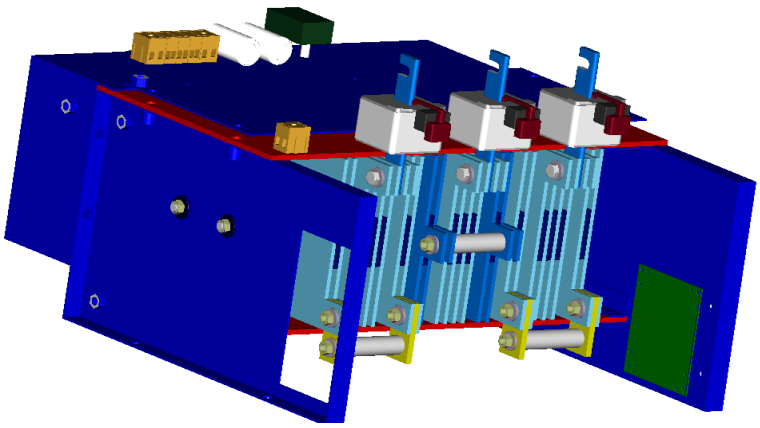
Green Power Solutions srl
Via Greto di Cornigliano 6R - 16152 Genova , Italy

Phone: +39-010-659 1869
Fax: +39-010-659 1870
Web: www.gpsemi.it
E-mail: info@gpsemi.it



GOA9xx04C

THREE PHASE AC-SWITCH

Fuse protection
Blown fuse indicators with microswitch
Over temperature switches
Fan loss detection circuit
Snubber for SCR's protections
Compact design

LINE VOLTAGE UP TO 500V

RMS OUTPUT CURRENT 450A

	GOA94004C	GOA95004C
Line to line voltage	**400**	**500**

Characteristic		Conditions	Value	Value	
I_{RMS}	RMS output current		450 A	450 A	
V_{INS} (rms)	Insulation voltage		3000 V	3000 V	

THYRISTOR TRIGGERING CHARACTERISTICS

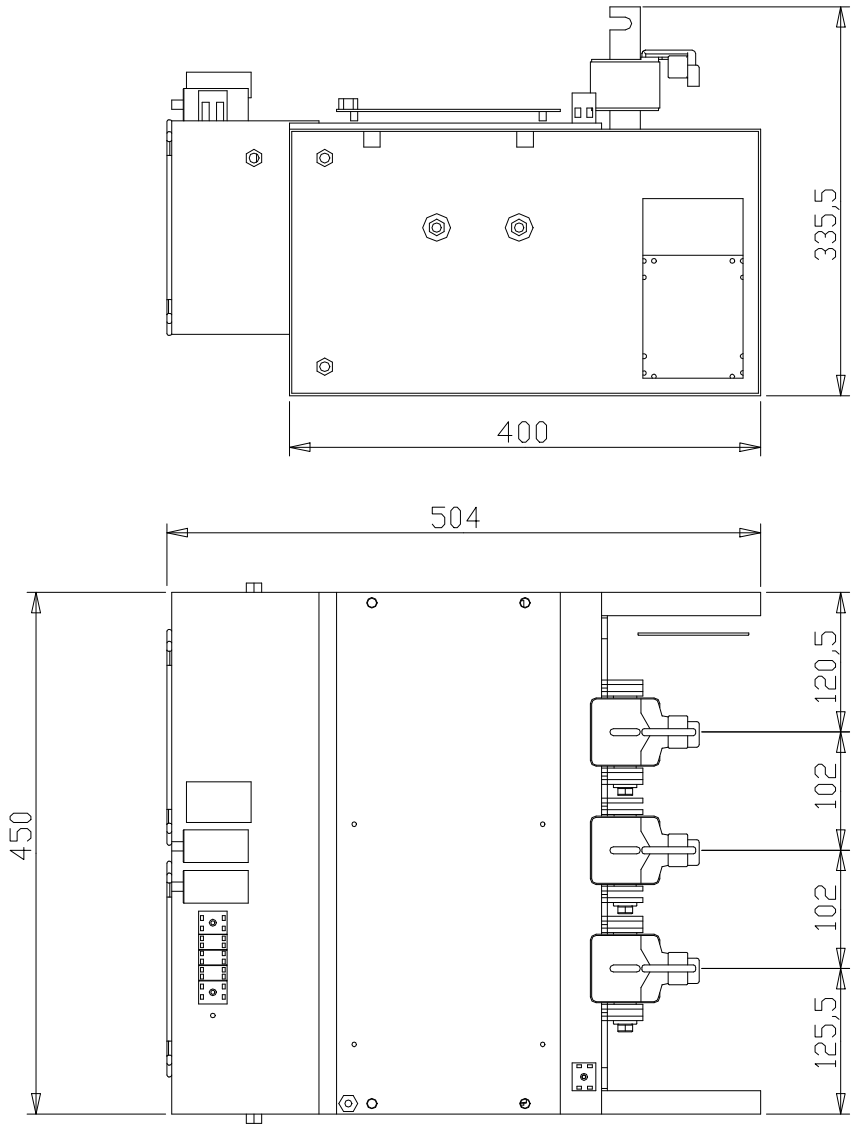
V_{GT}	Gate trigger voltage	T_j = 25 °C, V_D = 5 V	3 V	3 V	
I_{GT}	Gate trigger current	T_j = 25 °C, V_D = 5 V	300 mA	300 mA	
dV/dt	Critical rate of rise off-state voltage	Tj= 125 °C	1000 V/us	1000 V/us	
VRRM	Blocking Voltage	Tj = 125 °C	1200 V	1600 V	

FUSE TYPE SIBA 2062432.630

V_{NF}	Rated voltage		690 V	690 V	
I_{NF}	Rated current		630 A	630 A	
P_{VF}	Power loss	At rated current	94 W	94 W	
I^2t	Total I^2t	At 660V	300 kA2s	300 kA2s	

MECHANICAL AND THERMAL CHARACTERISTICS

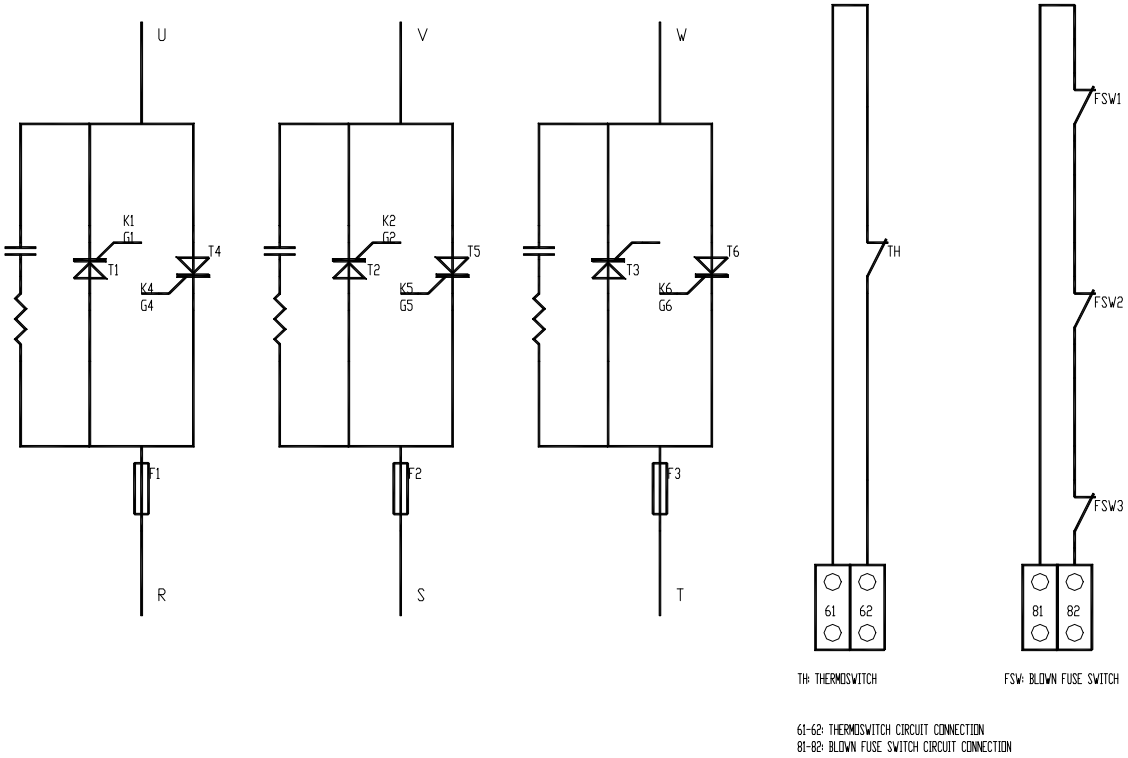
	Width		400 mm	450 mm	
	Depth		340 mm	340,5 mm	
	Height		500 mm	500 mm	
	Mass		30 Kg	30 Kg	
Ta max	Max amb. op. Temp.		40 °C	40 °C	
Tstg	Storage temperature		-40/ +60 °C	-40/ +60 °C	



The part numbering system is reported at the beginning of the Open Assembly section.

Customisations are available on request. Please contact factory.

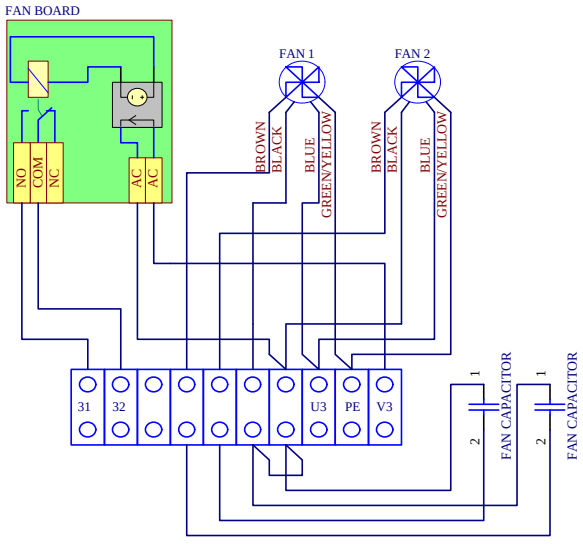
In the interest of product improvement Green Power Solutions reserves the right to change any specification given in this data sheet without notice.



TH: THERMOSWITCH

FSW: BLOWN FUSE SWITCH

61-62: THERMOSWITCH CIRCUIT CONNECTION
81-82: BLOWN FUSE SWITCH CIRCUIT CONNECTION



U3-V3: MAIN SUPPLY
PE: GROUND CONNECTION (GND)
31-32: FAN BOARD CONTACT (CLOSED WHEN FAN RUNNING)

Cooling:

Fan type:	single phase axial
Number of fans:	2
Voltage:	230 V
Current:	0.4 A
Frequency:	50/60 Hz
Noise:	62 dBA

In the interest of product improvement Green Power Solutions reserves the right to change any specification given in this data sheet without notice.