

# GOA9xx02W

## THREE PHASE AC-SWITCH

- Fuse protection
- Temperature sensors
- Snubber for SCR's protections
- Water cooling
- Lowest overall dimensions

**LINE VOLTAGE UP TO 500V**

**OUTPUT PHASE CURRENT 250A**

**GOA940... GOA950...**

Line to line voltage		<b>400</b>	<b>500</b>
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Characteristic		Conditions	Value	Value
$I_{RMS}$	Output phase current		250 A	250 A
$V_{INS}$ (rms)	Insulation voltage		3000 V	3000 V

### THYRISTOR CHARACTERISTICS

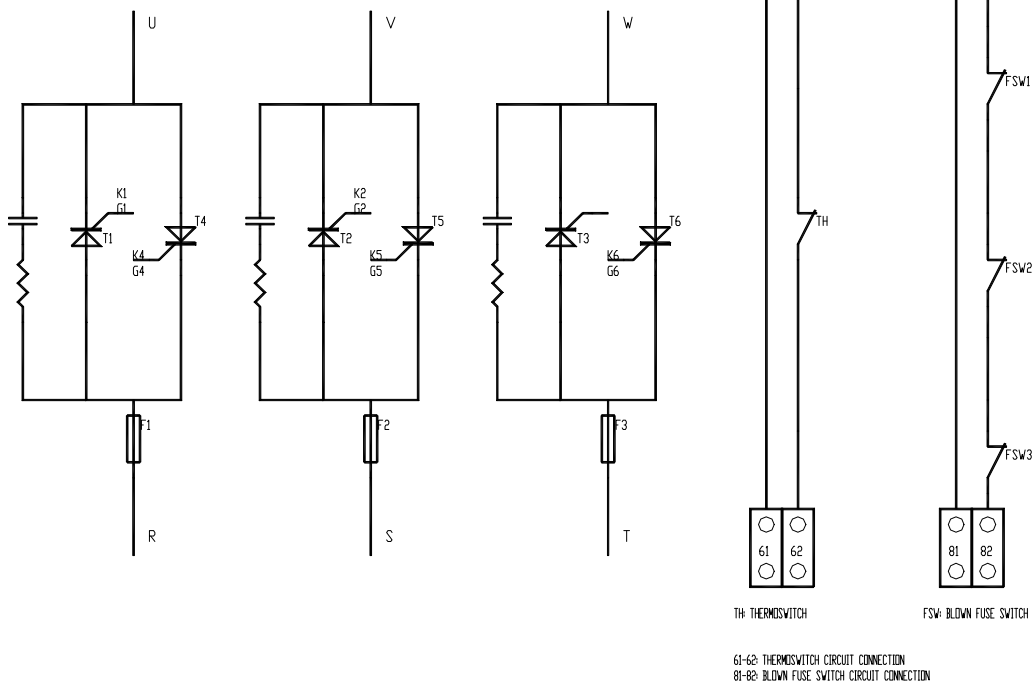
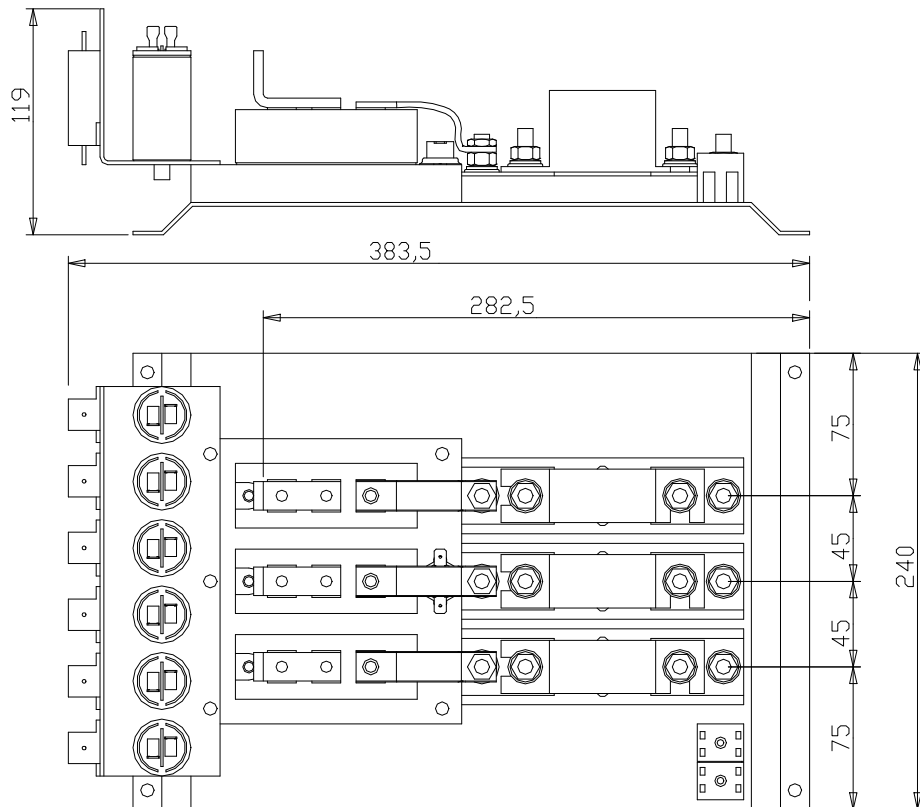
$V_{GT}$	Gate trigger voltage	$T_j = 25\text{ }^\circ\text{C}$ , $V_D = 5\text{ V}$	3 V	3 V
$I_{GT}$	Gate trigger current	$T_j = 25\text{ }^\circ\text{C}$ , $V_D = 5\text{ V}$	300 mA	300 mA
$dV/dt$	Critical rate of rise off-state voltage	$T_j = 125\text{ }^\circ\text{C}$	1000 V/us	1000 V/us
$V_{RRM}$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

### FUSE TYPE SIBA 2041220.200

$V_{NF}$	Rated voltage		690 V	690 V
$I_{NF}$	Rated current		200 A	200 A

### MECHANICAL AND THERMAL CHARACTERISTICS

	Width		240 mm	240 mm
	Depth		119 mm	119 mm
	Height		384 mm	384 mm
	Mass		20 kg	20 kg
$T_w$ max	Max water Temp.		30 °C	30 °C
$T_{stg}$	Storage temperature		-40/60 °C	-40/60 °C



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