



GOA740Dxx

SINGLE PHASE AC-SWITCH

Fuse protection
Trigger board for ON-OFF control
Diagnostic for:
- Open fuse
- SCR Fault
- Load interruption
- Loss of Line

LINE VOLTAGE UP TO 440V

CURRENT UP TO 85 A

GOA740D03 GOA740D05 GOA740D08

Line current	27 A	55 A	85 A
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Characteristic		Conditions	Value	Value	Value
I _{RMS}	RMS output current		27 A	55 A	85 A
V _{INS} (DC)	Insulation voltage		3000 V	3000 V	3000 V

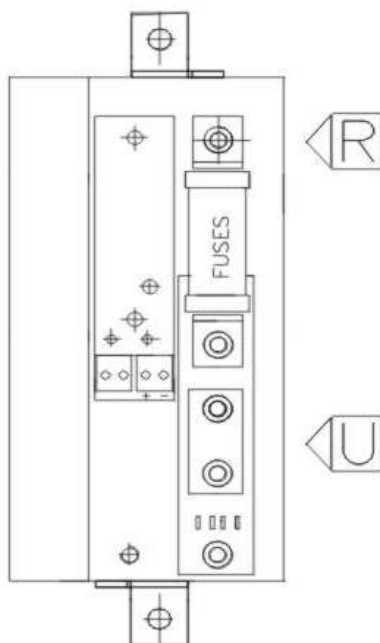
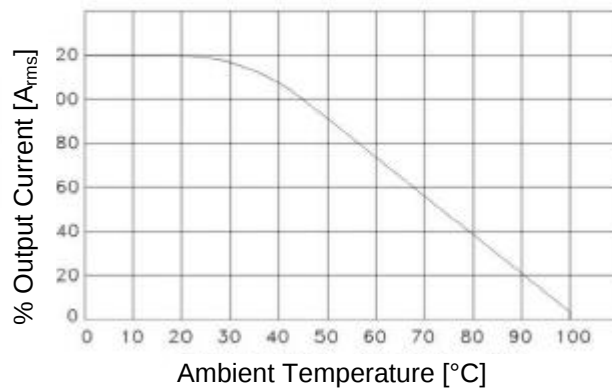
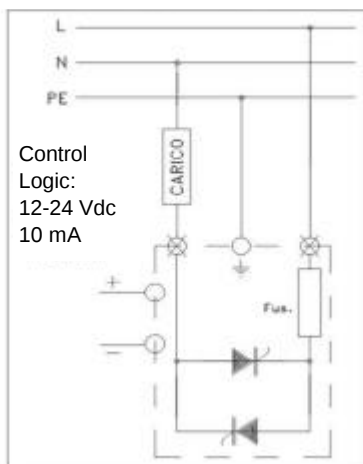
THYRISTOR CHARACTERISTICS

V _{GT}	Gate trigger voltage	T _j = 25 °C, V _D = 5 V	3 V	3 V	3 V
I _{GT}	Gate trigger current	T _j = 25 °C, V _D = 5 V	300 mA	300 mA	300 mA
dV/dt	Critical rate of rise off-state voltage	T _j = 125 °C	1000 V/us	1000 V/us	1000 V/us
V _{RRM}	Blocking Voltage	T _j = 125 °C	1600 V	1600 V	1600 V

MECHANICAL AND THERMAL CHARACTERISTICS

	Width		78 mm	78 mm	101 mm
	Depth		134 mm	134 mm	160 mm
	Height		195 mm	195 mm	340 mm
T _a max	Max amb. op. Temp.		40 °C	40 °C	
T _{stg}	Storage temperature		-40/60 °C	-40/60 °C	

Circuit



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