

# GFDM1200

## FAN DETECTION MODULE

DETECTS THE ABSENCE  
OF FAN CURRENT

LINE VOLTAGE UP TO 230V  
 FAN CURRENT UP TO 2A  
 NO/NC OUTPUT SWITCH

The GFDM1200 detects the absence of current circulating in the fan. This can be used for ventilation fault signal generation in power semiconductor assembly

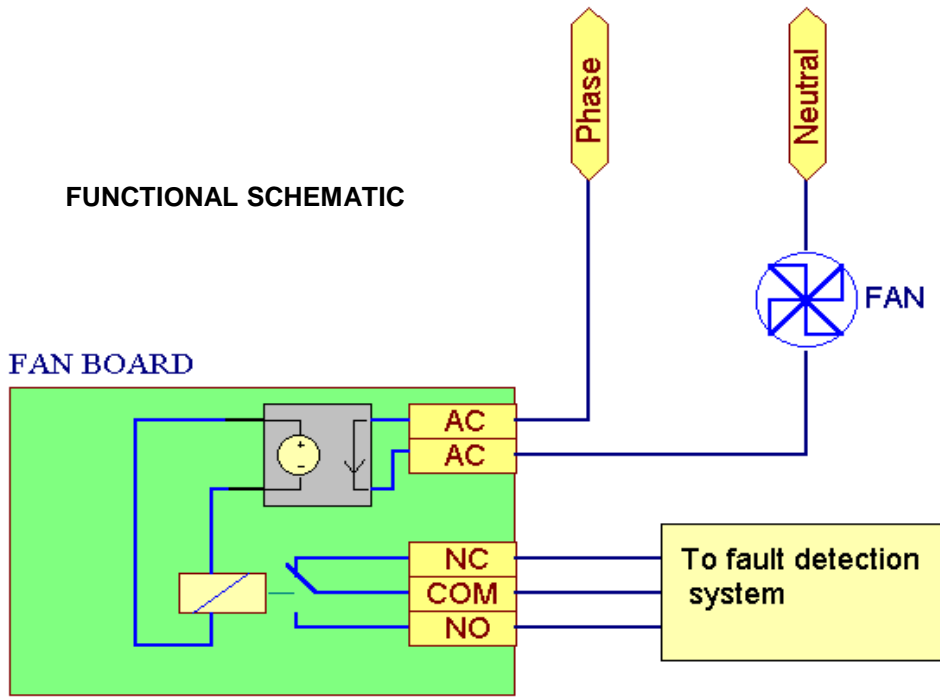
Characteristic		Conditions	Value
I <sub>LOAD</sub> (RMS)	Maximum fan current		2 A
V (RMS)	Maximum voltage (fan side)		230 V
V <sub>INS</sub> (RMS)	Insulation voltage		2000 V

### RELAY CONTACT CHARACTERISTICS

V <sub>MAX</sub> (DC)	Maximum voltage (across contact)		30 V
I <sub>MAX</sub> (DC)	Maximum current (through contact)		2 A
	Expected electrical life	Number of operations	10 <sup>5</sup>
	Expected mechanical life	Number of operations	10 <sup>8</sup>

### MECHANICAL AND THERMAL CHARACTERISTICS

	Width		40 mm
	Depth		50 mm
	Height		25 mm
W	Weight		21 g
	Max allowed wire gauge	16 AWG	1.5 mm <sup>2</sup>
T <sub>a</sub> max	Max amb. op. Temp.		40 °C
T <sub>stg</sub>	Storage temperature		-40/60 °C



LEGEND	
Terminal	Function
JP 1-1	AC
JP 1-2	AC
JP 2-1	NC
JP 2-2	COM
JP 2-3	NO

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