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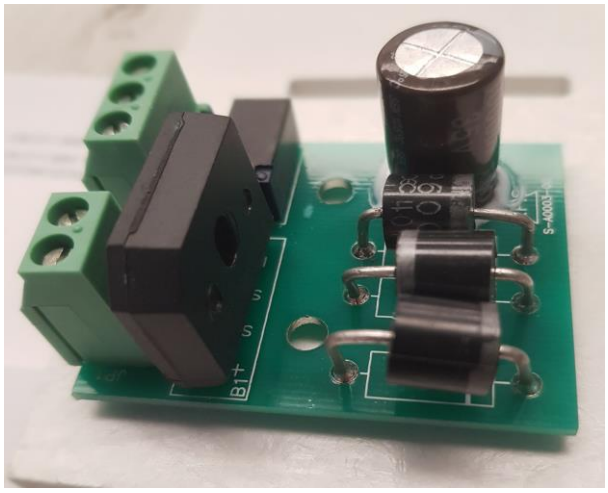
http://www.gpsemi.it/pdf/GFDM1600.pdf



GFDM1600

FAN DETECTION MODULE

DETECTS THE ABSENCE OF FAN CURRENT

LINE VOLTAGE UP TO 230V
FAN CURRENT UP TO 6 A
NO/NC OUTPUT SWITCH

The GFDM1600 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
$I_{LOAD\ (RMS)}$	Maximum fan current		6 A
$V_{\ (RMS)}$	Maximum voltage (fan side)		230 V
$V_{INS\ (RMS)}$	Insulation voltage		2000 V

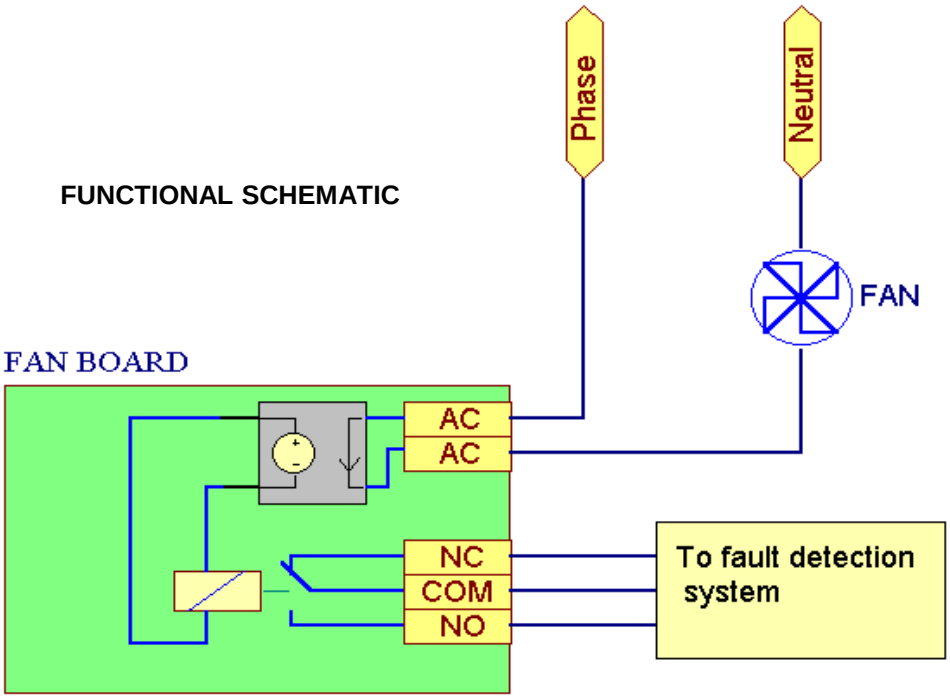
RELAY CONTACT CHARACTERISTICS

$V_{MAX\ (DC)}$	Maximum voltage (across contact)		30 V
$I_{MAX\ (DC)}$	Maximum current (through contact)		6 A
	Expected electrical life	Number of operations	10^5
	Expected mechanical life	Number of operations	10^8

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^2
Ta max	Max amb. op. Temp.			40 °C
Tstg	Storage temperature			-40/60 °C

FUNCTIONAL SCHEMATIC



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