



MIDLANDJAY

THE POWER TO PROTECT

tectrite

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Supply Monitoring Relay Type - BBP2703

The BBP2703 supply monitoring relay provides accurate detection of both under/over voltage and imbalanced supply faults on a 3 phase system.

The undervoltage trip level is user adjustable in the range 50% to 95% of the nominal supply voltage.

The overvoltage trip level is fixed at 112% of the nominal supply voltage.

The phase imbalance trip level is user adjustable in the range 5% to 15% of the nominal phase voltage.

The unit features a 'true' trip delay timer adjustable in the range 0.5 to 30 seconds to ensure that nuisance tripping can be prevented.

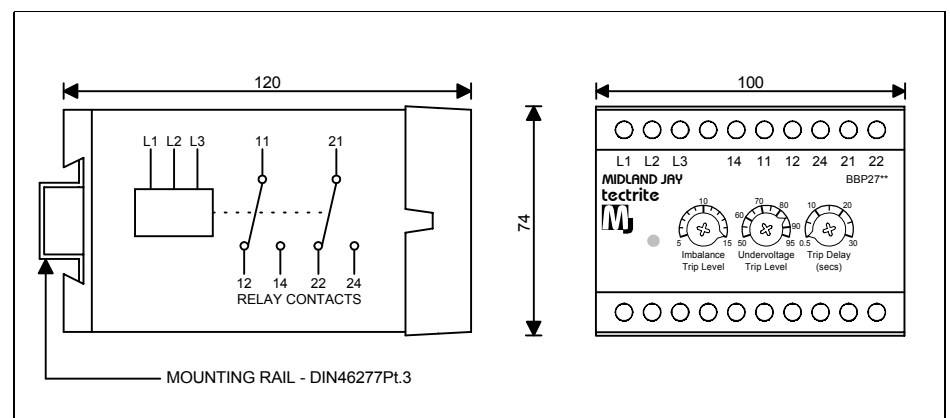
A dual colour LED indicates the supply status: green - healthy, red - fault.

The output relay will energise when the supply is healthy and release in the event of a supply fault having been detected continuously for a period set by the 'trip delay time'. When the supply fault has cleared the unit will reset automatically.

To avoid errors due to the presence of supply harmonics active filters are included within the measuring circuits.

Supply to the unit should be via either 1 amp H.R.C. fuses or a 1 amp M.C.B.

Supply voltage:	415Vac 3 phase (nominal)
Frequency:	50 Hz
Undervoltage:	50-95% of nominal supply voltage
Overvoltage:	112% of nominal supply voltage
Phase imbalance:	5-15% of nominal phase voltage
Factory settings:	Undervoltage - 85% Imbalance - 15%
Phase rotation:	Sensitive
Repeat accuracy:	Better than 1%
Trip delay time:	0.5 to 30 seconds (true delay)
Relay contacts:	Double-pole changeover
Contact rating:	250Vac 3A (cos ϕ = 1) 250Vac 1A (cos ϕ = 0.4)
Isolation voltage:	2kV ac for 1 minute
Power consumption:	Less than 5VA
Temperature range:	-15°C to +60°C
Construction:	Din rail mounted housing to IP20
Weight:	0.55Kg



DATA SHEET

BBP2703/09/04