

AC-FAIL DETECTION CIRCUIT

ACF 2624

Generic Datasheet

- Stand-alone design
- Analog circuitry
- High quality and reliability
- Made in North America



The ACF 2624 detects AC-line failure within 4ms - 6ms typical and 8msec maximum, a speed critical for minimizing required power supply hold-up time. This stand-alone circuit is suitable for AC-line monitoring, and may be designed into electrical systems for a diverse range of applications. The ACF 2624 features a built-in auto-ranging circuit which enables operation for 120Vac or 240Vac. The unit has fail-open alarm output. This alarm output is TTL compatible. The TTL level can however be overridden and increased up to 28V, by external pull-up resistors. Various mounting options are available, including DIN-rail mount and chassis-mount. These compact modules measure 2. 7" x 2.3" x 2".

SPECIFICATIONS

Input Voltage

115Vac or 230Vac
47-63Hz

Isolation

2250VDC input to chassis
4300 input to output
8mm spacing
500V output to chassis

Designed to meet EN 60950 and
corresponding UL and CSA
standards

EMI Suppression

EN 55022 Class B

Detection Time

4 – 6 ms typical
8 ms max

Alarm Output

Fail open
Sink and source capacity:
1 TTL load

Operating Temperature Range

-20 to 50 °C

Storage Temperature

-40 to 85 °C

Dimensions

2. 7" x 2.3" x 2"
68.6mm x 58.4mm x 50.8mm

Input/Output Connections

Barrier-type terminal block
with 3/8" spacing

RoHS Compliance

(Directive 2002/95/EC)
According to requirements

Warranty

Two years subject to application
within good engineering practice



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