

USA Ground Operations CIL Sheet

Critical Item: Circuit Breaker
NASA Part No: None
Mfg/Part No: General Electric / TEF136M1100
System: 60 Hertz Low Voltage Power System

Criticality Category: 1S
Total Quantity: 2

Find No.	Qty	Area	PMN	Baseline	Drawing / Sheet
Panel P-3 Bottom / CB-22	1	Pad-B	K61-1663	353.25	39K6150023 / 94
Panel P-3 Top / CB-3	1	Pad-B	K61-1663	353.25	39K6150023 / 94

Function:

Panel P-3 Bottom / CB-22 provides circuit overload protection for Pad-B FSS passenger elevator #1. Panel P-3 Top / CB-3 provides circuit overload protection for Pad-B FSS passenger elevator #2.

Failure Mode No. Failure Mode	Failure Cause Failure Effect	Detection Method Time to Effect	Crit Cat
09ELB2-001.032 Premature Trip	Internal piece part structural failure Loss of power to associated FSS passenger elevator. Loss of egress / Ingress route for personnel. Possible entrapment of personnel. Failure could allow loss of life during hazardous conditions.	None Immediate	1S

ACCEPTANCE RATIONALE

Design:

- Rated 600V/100A Estimated Operating load: 80 Amps Trip Set: 100 Amps
- Environment is normal for application.
- Circuit breaker is used throughout industry.

Test:

- OMRSD File VI requires Time/Current trip tests and insulation resistance test performed prior to installation and after a fault per NETA-MTS.

Inspection:

- OMRSD File VI requires inspection and maintenance prior to installation and after a fault per NETA-MTS.

Failure History:

- Current data on test failures, unexplained anomalies, and other failures experienced during ground processing activities can be found in the PRACA database. The PRACA database was researched and no data was found on this component in the critical failure mode.

Operational Use:

Correcting Action	Timeframe
There is no action which can be taken to mitigate the failure effect.	Since no correcting action is available, timeframe does not apply.